Eastern Kentucky University

Undergraduate Catalog

1987-89

Digitized by the Internet Archive
in 2011 with funding from
LYRASIS Members and Sloan Foundation

http://www.archive.org/details/undergraduate198789east

Eastern Kentucky University Undergraduate Catalog

1987-89

Contents

1987-89 University Calendar 4
PART ONE—The University 9
Introduction 9
History 9
Purpose 9
Mission Statement 10
PART TWO—Student Services Information 15
Expenses 15
Living Accommodations 19
Financial Assistance 20
Guidance and Counseling Services 20
Student Organizations and Activities 21
Social Activities 21
Student Identification Card 22
Entertainment and Cultural Events 22
Career Development and Placement 23
The Alumni Association 23
PART THREE—General Academic Information 27
Admission to the University 27
Academic Programs 29
Pre-Professional Curricula 30
Baccalaureate Degree Requirements 31
Associate Degree Requirements 34
Academic Regulations 34
Graduation 37
PART FOUR—Academic Divisions 39
Course Prefixes 39
Semester When Courses are Offered 40
Office of Academic Support and Undergraduate Studies 40
College of Allied Health & Nursing 45
College of Applied Arts & Technology 63
College of Arts & Humanities 89
College of Business 111
College of Education 129
College of Health, Physical Education, Recreation, & Athletics 143
College of Law Enforcement 153
College of Natural & Mathematical Sciences 161
College of Social and Behavioral Sciences 185
Graduate School 203
Community College Programs 209
Division of Extended Programs 210
PART FIVE—Administrative Affairs 213
Academic Computing Services 213
Administrative Information Systems 213
Instructional Media 213
Museum 214
Natural Areas 214
Physical Plant 214
Planetarium 214
Special Programs 215
Television and Radio 215
PART SIX—Official Directory 219
Board of Regents 219
Administrative Staff 219
Faculty 223

This publication was prepared by Eastern Kentucky University and paid from state funds.

Accreditations and Memberships

ACCREDITATIONS

EASTERN KENTUCKY UNIVERSITY IS ACCREDITED BY THE COMMISSION ON COLLEGES OF THE SOUTHERN ASSOCIATION OF COLLEGES AND SCHOOLS TO AWARD ASSOCIATE, BACCALAUREATE, MASTERS, AND SPECIALIST IN EDUCATION DEGREES.

American Bar Association
(Associate and Baccalaureate Degree Programs in Paralegal)
American Chemical Society
American Medical Association/Committee on Allied Health Education and Accreditation:
Emergency Medical Technician/Paramedic
(Associate Degree Program)
Medical Assisting Technology
(Associate Degree Program)
Medical Laboratory Technician
(Associate Degree Program)
Medical Record Science
(Associate and Baccalaureate Degree Programs)
Medical Technology
(Baccalaureate Degree Program)
Occupational Therapy
(Baccalaureate Degree Program)
American Speech-Language-Hearing Association
Public Services Board (Clinic)
Education and Training Board (Graduate Degree Program)
Council on Social Work Education
Foundation for Interior Design Education Research
(Baccalaureate Degree Program)
National Association of Industrial Technology
National Association of Schools of Music
National Association of Schools of Public Affairs and Administration
(Master of Public Administration Degree Program)
National Athletic Trainers Association
National Council for the Accreditation of Environmental Health Curricula of the National Environmental Health Association
National Council for Accreditation of Teacher Education
National League for Nursing
(Associate and Baccalaureate Degree Programs)
National Recreation and Park Association/American Association of Leisure and Recreation Joint Council on Accreditation

The following programs, as noted below, are approved by:
The American Dietetics Association
Foodservice Administration
(Baccalaureate Degree Program)
General Dietetics (Baccalaureate Degree Program)

MEMBERSHIPS

Academy of Criminal Justice Services
Administrative Information Services
American Assembly of Collegiate Schools of Business
American Association of Colleges of Nursing
American Association of Colleges for Teacher Education
American Association of Collegiate Registrars and Admission Officers
American Association for Counseling and Development
American Association for Paralegal Education
American Association of University Women
American College Health Association
American Conference of Academic Deans
American Council on Education
American Home Economics Association
American Political Science Association
American Society of Allied Health Professions
American Technical Education Association
American Theatre Association
Associated Schools of Construction
Association of Administrators of Home Economics
Association of Departments of English
Association for General and Liberal Studies
Association of Governing Boards of Universities and Schools
Association of Schools of Journalism and Mass Communications
Conference of Southern Graduate Schools
Council for Advancement and Support of Education
Council of Colleges of Arts and Sciences
Council of Graduate Schools in the United States
Council of Social Work Education
Foundation for Interior Design Education and Research
National Association of Advisors for the Health Professions
National Association for Business Teacher Education
National Association of College and University Attorneys
National Association of Industrial Technology
National Association of Schools of Public Affairs and Administration
National Collegiate Athletic Association
National Commission for Cooperative Education
National League for Nursing
National University Continuing Education Association
Southeastern Association of Advisors for the Health Professions
Southern Association of Colleges and Schools, Inc.
Southern Regional Education Board

All statements in this publication are announcements of present policy only and are subject to change at any time without prior notice. They are not to be regarded as offers to contract.

Eastern Kentucky University is an Equal Opportunity- Affirmative Action employer and does not discriminate on the basis of age, race, color, religion, sex, handicap or national origin in the admission to, or participation in, any educational program or activity which it conducts, or discriminate on such basis in any employment opportunity. Any complaint arising by reason of alleged discrimination shall be directed in writing to the Affirmative Action Officer, Million House, E.K.U. Campus, telephone number (606) 622-1258.

The Board of Regents of Eastern Kentucky University does hereby reaffirm that neither race, nor creed, nor color, nor sex, nor handicap shall be a criterion for admission to any part of any program or activity conducted by Eastern Kentucky University.

Eastern Kentucky University is an Equal Opportunity/Affirmative Action educational institution.

University Calendar

FALL SEMESTER 1987

August	16	Residence halls open, 10:00 a. m.
	17	Fall semester, including wrap-up registration, begins.
	19	Schedule Change ("Drop-Add") Day.
	20	Day and evening classes begin as scheduled. Late registration begins, and schedule change period continues. Registration begins for evening and part-time students still needing to register, 4:15-6:00 p. m.
	25	Schedule change period for day classes ends. Last day to register for or add day classes, to change from audit to credit, or to drop a day class without it appearing on the record.
	26	Last date to register for or add evening classes.
September	7	Holiday. No classes.
	11	Last day to change from credit to audit or to or from "pass-fail."
October	12	Holiday. No classes.
	14	Last day to drop a full-semester class or to withdraw from the University.
	21	Mid-semester reports due to the Registrar.
November	24	Holiday begins at 6:00 p. m. No evening classes.
	30	Classes resume.
December	2	"Pre-Final Examination Period" begins.
	8	Classes end.
	9	Final examination period begins.
	11	Recognition reception for candidates completing degree requirements during the Fall semester 1987.
	15	Final examination period ends. Fall semester ends.

SPRING SEMESTER 1988

January	3	Residence halls open, 10:00 a.m.
	4	Spring semester, including wrap-up registration, begins.
	6	Schedule Change ("Drop-Add") Day.
	7	Day classes begin as scheduled. Late registration begins, and schedule change period continues.
	11	Registration begins for evening and part-time students still needing to register, 4:15-6:00 p. m. Evening classes begin as scheduled.
	12	Schedule change period for day classes ends. Last day to register for or add day classes, to change from audit to credit, or to drop a day class without it appearing on the record.
	14	Last date to register for or add evening classes.
	18	Holiday. No classes.
	29	Last day to change from credit to audit or to or from "pass-fail."
February	15	Holiday. No classes.
March	2	Last day to drop a full-semester class or to withdraw from the University.
	9	Mid-semester grade reports due to the Registrar.
	13	Spring break begins.
	21	Classes resume.
April	22	"Pre-Final Examination Period" begins.
	28	Classes end.
	29	Final examination period begins.
May	6	Final examination period ends, 10:00 a. m.
	8	Commencement exercises, 1:30 p. m. Spring semester ends.

SPRING INTERSESSION 1988

May	9	Intersession begins. Classes begin as scheduled.
	20	Last day to withdraw from Intersession.
	30	Holiday. No classes.
June	3	Intersession ends.

SUMMER SESSION 1988

June	5	Residence halls open, 12:00 noon.
	6	Summer session, including wrap-up registration, begins.
	7	Classes begin as scheduled. Late registration and schedule change period begins.
	9	Late registration and schedule change period ends. Last day to add a course, to change from audit to credit, or to drop a class without it appearing on the record.
	15	Last day to change from credit to audit or to or from "pass-fail."
	30	Last day to drop a full-session class.
July	4	Holiday. No classes.
	28	Commencement exercises.
	29	Summer session ends.

FALL SEMESTER 1988

August	21	Residence halls open, 10:00 a.m.
	22	Fall semester, including wrap-up registration, begins.
	24	Schedule Change ("Drop-Add") Day.
	25	Day and evening classes begin as scheduled. Late registration begins, and schedule change period continues. Registration begins for evening and part-time students still needing to register, 4:15-6:00 p. m.
	30	Schedule change period for day classes ends. Last day to register for or add day classes, to change from audit to credit, or to drop a day class without it appearing on the record.
	31	Last date to register for or add evening classes.
September	5	Holiday. No classes.
	16	Last day to change from credit to audit or to or from "pass-fail."
October	10	Holiday. No classes.
	19	Last day to drop a full-semester class or to withdraw from the University.
	26	Mid-semester grade reports due to the Registrar.
November	22	Holiday begins at 6:00 p. m. No evening classes.
	28	Classes resume.
December	7	"Pre-Final Examination Period" begins.
	13	Classes end.
	14	Final examination period begins.
	16	Recognition reception for candidates completing degree requirements during the Fall semester 1988.
	20	Final examination period ends. Fall semester ends.

SPRING SEMESTER 1989

January	8	Residence halls open, 10:00 a. m.
	9	Spring semester, including wrap-up registration, begins.
	11	Schedule Change ("Drop-Add") Day.
	12	Day classes begin as scheduled. Late registration begins, and schedule change period continues.
	16	Holiday. No classes.
	17	Registration begins for evening and part-time students still needing to register, 4:15-6:00 p. m. Evening classes begin as scheduled.
	18	Schedule change period for day classes ends. Last day to register for or add day classes, to change from audit to credit, or to drop a day class without it appearing on the record.
	23	Last date to register for or add evening classes.
February	3	Last day to change from credit to audit or to or from "pass-fail."
	20	Holiday. No classes.
March	8	Last day to drop a full-semester class or to withdraw from the University.
	15	Mid-semester grade reports due to the Registrar.
	19	Spring break begins.
	27	Classes resume.
April	28	"Pre-Final Examination Period" begins.
May	4	Classes end.

May	5	Final examination period begins.
	12	Final examination period ends, 10:00 a. m.
	13	Commencement exercises, 1:30 p. m. Spring semester ends.

SPRING INTERSESSION 1989

May	15	Intersession begins. Classes begin as scheduled.
	26	Last day to withdraw from Intersession.
	29	Holiday. No classes.
June	9	Intersession ends.

SUMMER SESSION 1989

June	11	Residence halls open, 12:00 noon.
	12	Summer session, including wrap-up registration, begins.
	13	Classes begin as scheduled. Late registration and schedule change period begins.
	15	Late registration and schedule change period ends. Last day to add a course, to change from audit to credit, or to drop a class without it appearing on the record.
	21	Last day to change from credit to audit or to or from "pass-fail."
July	4	Holiday. No classes.
	6	Last day to drop a full-session class.
August	3	Commencement exercises.
	4	Summer session ends.

1 EASTERN KENTUCKY UNIVERSITY

CONTENTS

Introduction 9
History 9
Purpose 9
Mission Statement 10

Introduction

Eastern Kentucky University is a regional coeducational public institution of higher education offering general and liberal arts programs, pre-professional and professional training in education and various other fields at both the undergraduate and graduate levels. Located in Richmond, Madison County, Kentucky, Eastern has a distinguished record of more than eight decades of educational service to the Commonwealth.

Situated near the heart of the Bluegrass, Richmond is served by a network of major highways which makes Eastern easily accessible from all parts of Kentucky and surrounding states. Richmond is 26 miles southeast of Lexington, Kentucky, and Interstate Highways I-75 (North-South) and I-64 (East-West) make the metropolitan areas of Cincinnati, 112 miles to the North, and Louisville, 110 miles to the West, within convenient distance by automobile. Richmond is also served by U.S. Route 25 from Southeastern Kentucky and Kentucky Route 52 from the East and West. The Kentucky Turnpike and the Mountain, Daniel Boone and Cumberland Parkways provide even greater convenience in automobile travel to Richmond, since the city is located near the convergence of these arterial highways into the interstate systems.

Richmond, the county seat of Madison County, is an expanding community of approximately 28,000 population. Served by fine churches representing most Christian faiths, the community provides an excellent environment for the University student.

In and around Richmond are many areas of historic and scenic interest. Boonesborough State Park, birthplace of Kentucky, is located twelve miles to the north. Many other historical places are within easy driving distance. Scenic and recreational areas surround this section of the state.

History

The General Assembly of 1906 enacted legislation establishing the Eastern Kentucky State Normal School. Governor J. C. Beckham signed the bill into law on March 21, 1906, and on May 7 of that year, the Normal School Commission, meeting in Louisville, selected the campus of the old Central University, founded in 1874, in Richmond, Kentucky, as the site of the new school. On June 2, 1906, Ruric Nevel Roark was chosen President of the Normal School and the training of teachers was initiated.

In 1922, Eastern became a four-year institution known as the Eastern Kentucky State Normal School and Teachers College. The first degrees were awarded by this institution in 1925. In 1928, the College was accredited by the Southern Association of Colleges and Secondary Schools. In 1930, the General Assembly renamed the school as the Eastern Kentucky State Teachers College.

In 1935, a graduate program was approved at Eastern, leading to the Master of Arts in Education. In 1948, the General Assembly removed the word "Teachers" from the name of the College and granted the College the right to award nonprofessional degrees.

The most significant day since its founding came for Eastern February 26, 1966, when Governor Edward T. Breathitt signed into law a bill renaming the institution Eastern Kentucky University and sanctioning the awarding of graduate degrees in academic fields other than education.

During this period of time, Eastern Kentucky University has increased rapidly in size and stature. Beginning with a few students engaged in short review and certificate courses, the University today serves thousands of Kentuckians by offering a curriculum leading to the Associate of Arts, baccalaureate degrees and an expanding graduate program that presently offers degrees at the Master's level in many other fields as well as the already well-establishing Master of Arts degree in Education and the various fifth and sixth-year leadership programs in education. Specialist degree programs have been implemented in Education and Technology. In addition to these programs, Eastern offers joint doctoral programs with cooperating institutions.

Ever-mindful of the purpose of its founding, Eastern continues to recognize its historic function of preparing quality teachers for the elementary and secondary schools of the Commonwealth. However, a strong liberal arts curriculum leading to appropriate degrees, together with pre-professional courses in several areas and graduate programs, enable Eastern to uniquely serve the Commonwealth as a regional university.

Purpose

Within its statutory responsibilities, Eastern Kentucky University seeks to provide intellectual and cultural opportunities which will develop habits of scholarship and intellectual curiosity; provide a deep understanding of American democracy and the citizen's role in maintaining its strength and vitality; impart an understanding of man and his aspirations; enable effective and efficient communication; and prepare productive and responsible citizens. The University will remain responsive and flexible in order to serve in unique and needed ways.

Within these general responsibilities and purposes, the University has three specific functions—teaching, public service, and research—and places emphasis on the three in this order. Through its colleges and schools, the University seeks to offer quality instruction at a variety of degree levels in general education, the arts, the sciences, business, education pre-professional and professional areas, and applied and technical disciplines. Through consultative services, continuing education, and the extended campus, the University seeks to provide service to the community and the region. Research seeks both to advance knowledge in the subject matter areas with which the University is concerned and to support the primary function of teaching.

MISSION STATEMENT

Eastern Kentucky University shall serve as a residential, regional university offering a broad range of traditional programs to the people of central, eastern, and southeastern Kentucky. Recognizing the needs of its region, the university should provide programs at the associate and baccalaureate degree levels, especially programs of a technological nature.

Subject to demonstrated need, selected master's degree programs should be offered, as well as the specialist programs in education. A retrenchment or elimination of duplicative or nonproductive programs is desirable, while development of new programs compatible with this mission is appropriate.

The university should continue to meet the needs in teacher education in its primary service region and should provide applied research, service, and continuing education programs directly related to the needs of its primary service region.

Because of the university's proximity to other higher education and post-secondary institutions, it should foster close working relationships and develop articulation agreements with those institutions. The university should develop cooperative applied research and teaching programs utilizing resources such as Lilley's Woods and Pilot Knob Sanctuary, and Maywoods.

INSTITUTIONAL GOALS

The following institutional goals have been adopted by the Board of Regents: (1) To be a comprehensive, public, residential university for the Commonwealth of Kentucky; (2) To provide an environment for learning and individual development of the highest possible quality; (3) To provide access to higher education for citizens of the Commonwealth of Kentucky through reasonably open admission policies and relatively low student cost; (4) To maintain an adequate enrollment of out-of-state residents and foreign nationals to enrich the educational experience for all students while emphasizing the enrollment of Kentucky students; (5) To support the non-discrimination policy of the Board of Regents and to meet or exceed the goals of the Commonwealth's plan for desegregation of Higher Education; (6) To offer associate degree programs which are based on student interest and/or societal needs, which are integrated when appropriate with baccalaureate degree programs for individuals preparing themselves in a university setting, and which contain a general education component; (7) To offer baccalaureate and pre-professional programs based on student interests and/or societal needs with a strong general education program as a component of each degree program; (8) To offer graduate programs based on student interest and/or societal needs which provide advanced study through instruction and research, strengthen the disciplines, and contribute to the total research effort of the institution; (9) To provide for individuals and agencies those public services and continuing education opportunities which are compatible with university programs; (10) To support and encourage research as an important scholarly activity, recognizing its contribution to effective teaching and learning, its value to the knowledge of the disciplines, and its value to public service; (11) To manage and protect for posterity and to make available for instruction research and public use, selected natural areas that are unique or valuable for their biological, physical, and historical significance; (12) To provide for the university community and general public a center for a broad range of cultural, popular, and other enrichment activities in order to promote artistic and cultural awareness, scholarly pursuits, the free exchange of ideas, and critical thinking; (13) To provide support services which promote the development and well being of the members of the university community; and (14) To be solvent and financially accountable to appropriate agencies.

COLLEGE OF ALLIED HEALTH AND NURSING

The College of Allied Health and Nursing has the purposes: (1) to provide high quality programs at the undergraduate and graduate levels for individuals who wish to pursue a health profession; (2) to assist the student in recognizing the need for accountability to the various "publics" within the health care system; (3) to provide information and consultation to the community and the professions for planning and development of quality health services; (4) to encourage development of learning experiences that will enhance the team concept in health care and the principles of lifelong learning; (5) to provide opportunities, instruction and guided experiences by which students may gain the basic knowledge and skills essential to the practice of their respective profession; (6) to provide career guidance that will attract high quality students who will find a rewarding career in the health care field; (7) to investigate societal needs for health care and patterns of effective delivery; (8) to encourage students and graduates to make meaningful contributions towards the promotion of health and prevention of disease and disability; (9) to provide for career mobility and continuing education within the various health professions; and (10) to ensure the admission process supports the non-discrimination policy.

COLLEGE OF APPLIED ARTS AND TECHNOLOGY

The College of Applied Arts and Technology has the purposes: (1) to provide selected instructional programs for the preparation of people for careers in the applied arts and technologies; (2) to offer associate degree, baccalaureate degree, and pre-professional programs that meet the students' needs and interests; (3) to foster the career-ladder concept by providing opportunities for students enrolled in, or completing the associate (two-year) degree programs, to transfer to a corresponding baccalaureate degree program within the same department with little or no loss of credits; (4) to offer graduate programs that meet students' needs and interests; (5) to provide a program of academic advising for students majoring in programs within the College; (6) to provide selected general education courses; (7) to provide academic specialization for students in teacher certification programs and supporting courses for students majoring in other fields; (8) to encourage the development of interdisciplinary programs/courses, both inter-college and intra-college in nature; (9) to serve the community and region through public service; (10) to contribute to the professional growth of individuals in their careers; (11) to encourage the improvement of the teaching-learning relationship through improvement of instruction, effective utilization of available resources, and through academic program review and evaluation; and (12) to support, encourage and engage in scholarly activities which contribute to the primary function of teaching, to the advancement of the discipline, and to the strengthening of public service.

COLLEGE OF ARTS AND HUMANITIES

The College of Arts and Humanities has the purposes: (1) to provide courses of study for academic majors in the arts and

humanities and to offer programs to prepare students for professional and pre-professional fields; (2) to provide leadership in its areas of general education, appropriate general education courses, and an interdisciplinary program in general education; (3) to provide a program of academic advising for students majoring in programs within the college; (4) to provide academic specialization for students in teacher certification programs and to provide supporting courses for students majoring in other fields; (5) to encourage the development of Interdisciplinary programs/courses, both inter- and intra-college in nature; (6) to encourage the improvement of instruction, utilization of available resources, and through academic program review and evaluation; and (7) to serve the community and region through public service and to engage in research to advance knowledge and enhance the primary function of instruction.

COLLEGE OF BUSINESS

The College of Business has the purposes: (1) to offer a wide range of business-oriented, academic programs which will prepare graduates to enter both the private and public sectors of our economy. To accomplish this degree, programs will be offered at graduate, baccalaureate, and associate levels; (2) to maintain a high quality of instruction; (3) to encourage academically-able students; (4) to encourage cross-cultural exchanges; (5) to offer business related public services and continuing educational opportunities; and (6) to encourage research related to business disciplines.

COLLEGE OF EDUCATION

The College of Education has the purposes: (1) to provide courses of study for academic majors in education, including certification programs for teachers and other supporting school personnel, and programs for related human services personnel; (2) to provide the academic and field experiences necessary for students to function effectively in a culturally diverse society; (3) to provide academic and field experiences in preparing teachers to ensure that all children receive their education in the least restrictive setting; (4) to provide a program of academic advising for students majoring in programs within the college; (5) to cooperate with the other colleges in the programs of students in teacher certification programs; (6) to encourage the development of interdisciplinary programs/courses, both inter- and intra-college in nature; (7) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, and through academic program review and evaluation; (8) to serve the community and region by working cooperatively with their school systems; and (9) to engage in research to advance knowledge and enhance the primary function of instruction.

COLLEGE OF HEALTH, PHYSICAL EDUCATION, RECREATION, AND ATHLETICS

The College of Health, Physical Education, Recreation and Athletics has the purposes: (1) to provide courses of study for academic majors in the health, physical education and recreation fields, and to offer programs to prepare students for professional and pre-professional fields; (2) to provide selected general education courses in physical education and health; (3) to provide a program of academic advising for students majoring in programs within the college; (4) to provide academic specialization for students in teacher certification programs and to provide supporting courses for students majoring in other fields; (5) to encourage the development of interdisciplinary programs/courses, both inter- and intra-college in nature; (6) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, and through academic program review and evaluation; (7) to serve the community and region through public service and to engage in research to advance knowledge and enhance the primary function of instruction; and (8) to develop and maintain programs of the intercollegiate and intramural athletics.

COLLEGE OF LAW ENFORCEMENT

The College of Law Enforcement has the purposes: (1) to prepare citizens for productive citizenship roles: (2) to prepare personnel for positions in the private and public safety sectors of society; (3) to prepare personnel for teaching on one of the fields within each departmental area; (4) to conduct research in the broad areas contained within each departmental program; and (5) to provide service programs pertinent to one of the broad areas contained within each departmental program.

COLLEGE OF NATURAL AND MATHEMATICAL SCIENCES

The College of Natural and Mathematical Sciences strives to accomplish the following goals: (1) to provide academic programs in the natural and mathematical sciences leading to master and baccalaureate degrees and to offer courses/programs to prepare students for pre-professional and professional fields; (2) to provide academic specialization for students in the teacher education programs at both the undergraduate and graduate levels; (3) to provide supporting, developmental, and elective courses in the natural and mathematical sciences for all students in the University; (4) to provide academic leadership in mathematics and the sciences and to provide appropriate general education courses, and an interdisciplinary program in general education; (5) to provide a program of academic and career advising for students majoring in programs within the College; (6) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, academic program review and evaluation, and opportunities for professional development; (7) to provide all students enrolled in courses in the natural and mathematical sciences with access to up-to-date laboratory/field equipment and computer assisted instruction on an individualized basis as an extension of natural and mathematical science courses and research efforts; (8) to encourage the development of interdisciplinary programs/courses, both inter- and intra-college in nature; (9) to engage in research to advance knowledge in the natural and mathematical sciences and to enhance the College's primary function of instruction; (10) to serve the local community, region, and the Commonwealth through public service; (11) to support and utilize the University's natural areas as sites for advancement of scientific knowledge in the ecological and environmental disciplines of the natural sciences; and (12) to cooperate with all educational institutions in disseminating information and providing mutual support in attaining the highest possible quality courses and programs in the natural and mathematical sciences.

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

The College of Social and Behavioral Sciences has the purposes: (1) offering high quality courses and programs in the social and behavioral sciences, and for professional and pre-professional fields; (2) providing leadership in the social science area of the University general education program; (3) encouraging the development of interdisciplinary courses and programs; (4) offering academic specialization areas for students in teacher certification programs, as well as supporting courses for students majoring in other disciplines; (5) providing a program of academic advising; (6) encouraging the improvement of the teaching and learning; (7) engaging in research to advance knowledge and enhance instruction; and (8) serving the community and region through public service.

OFFICE OF GRADUATE STUDIES AND RESEARCH

The Office of Graduate Studies and Research provides leadership in the administration of graduate education, extended campus programs, and university-wide research. The Graduate School has as its basic purpose the administrative responsibility of all programs beyond the baccalaureate level at the University. It is charged: (1) to provide coordination between the colleges in the development of the University's graduate offering; (2) to act as a central source of information; (3) to recruit, admit and register students in advanced programs; (4) to oversee the advising of graduate students; and (5) to coordinate the University's program of graduate assistantships.

OFFICE OF ACADEMIC SUPPORT AND UNDERGRADUATE STUDIES

The Office of Academic Support and Undergraduate Studies coordinates the delivery of those services that support the academic pursuits of undergraduate students, such as admission, orientation, advising and registration, and career planning. In addition, it coordinates campus-wide undergraduate academic programs, including those in general education, cooperative education, international education, and developmental studies. The dean for Academic Support and Undergraduate Studies serves as chair of the University General Education Committee.

OFFICE OF COMMUNITY COLLEGE PROGRAMS

The Office of Community College Programs has the following four basic functions: (1) to assist in the development, coordination, and promotion of high quality instruction in a variety of technical, business, semi-professional, and service-oriented professions below the baccalaureate level; (2) to provide a centralized source of information and coordinate the dissemination of information on all programs offered within the University below the baccalaureate level; (3) to coordinate liaison between the University, and the community and junior colleges within the state and region; and (4) to administer the special program of "student readmission" into associate degree programs.

HEALTH

2 STUDENT SERVICES INFORMATION

CONTENTS

Expenses 15
Living Accommodations 19
Guidance and Counseling Service 20
Financial Assistance 20
Student Organizations and Activities 21
Social Activities 22
Student Identification Card 22
Entertainment and Cultural Events 22
Career Development and Placement Office 23
The Alumni Association 23

Expenses

Since registration and other fees and residence hall room rents are subject to change periodically, no attempt is made in this publication to itemize these costs. This information is available from the Division of Admissions prior to the beginning of each academic year.

Policy on Classification of Students for Admission and Fee Assessment Purposes

SECTION 1. PURPOSE. The Commonwealth of Kentucky employs residency requirements in various ways to determine voting rights, income tax liability, employment in certain occupations, etc., and the requirements vary in form and substance for each of these uses. The purpose of this policy is to establish a process and corresponding criteria for the residency classification of students seeking admission to, or enrolled in, public institutions of higher education. Furthermore, it is the intent of the Council on Higher Education that this policy be interpreted and applied in a uniform manner, as described herein, in determining whether students shall be classified as residents or nonresidents for admission and fee assessment purposes.

RATIONALE. Public institutions of higher education were established and are maintained by the Commonwealth primarily for the benefit of qualified residents of Kentucky. The substantial commitment of public resources to higher education is predicated on the proposition that the state benefits significantly from the existence of an educated citizenry. As a matter of policy, access to higher education is provided so far as practicable at reasonable cost to residents of the state. It is the long-standing practice of the Council on Higher Education to require students who are not Kentucky residents to meet higher admission standards and to pay a higher level of tuition than resident students whose presence in the state reasonably assures that they or, in appropriate instances, their parents have already contributed, or will contribute, substantially to the state in their capacity as resident citizens.

SECTION 2. DEFINITIONS: The language of this policy on residency classification contains some legal terms as well as everyday terms which, of necessity, have specialized meaning in the determination of residency for admission and fee assessment purposes. The following definitions shall be controlling in the interpretation and application of this policy. Wherever used in this policy:

(1) The terms "institution of higher education" or "college" shall refer to all institutions, public or private, offering instruction and and conferring degrees beyond the secondary school level, such as four-year colleges/universities, seminaries, two-year institutions (community colleges and junior colleges), and postsecondary vocational/technical schools.

(2) The word "domicile" shall denote a person's true, fixed, and permanent home. It is the place where he or she intends to remain, and to which he or she expects to return when he or she leaves without intending to establish a new domicile elsewhere. "Legal residence" and domicile convey the same notion of permanence and are used interchangeably.

(3) The term "emancipated person" shall mean a person:

A. who has attained the age of majority;

B. whose parent has not claimed such person as a dependent on federal and/or state income tax returns for the preceding tax year;

C. who demonstrates the financial ability to provide at least 70 percent of his or her cost of education, i.e., tuition/fees, books/supplies, room and board/maintenance, and transportation, as determined by the institution's financial aid policy and the student's residency classification; and

D. whose parents' income is not taken into account by any private or governmental agency furnishing educational financial assistance to such person, including scholarships, loans, and other assistance.

(4) The term "unemancipated person" shall mean a person who is unable to meet all of the criteria listed in Section 2(3).

(5) The word "parent" shall mean one of the following:

A. a person's father or mother, or

B. a court-appointed legal guardian of an unemancipated person.

The word "parent" shall not apply if the guardianship has been established primarily for the purpose of conferring the status of resident on a person.

(6) Attendance at a college or colleges shall be deemed "continuous" if the person claiming "continuous" attendance has been enrolled for consecutive regular semesters since the beginning of the period for which continuous attendance is claimed. Such person need not attend summer sessions or other such intersession in order to render his or her attendance "continuous". The sequence of continuous attendance is broken if the student fails to enroll, except under extenuating circumstances beyond the student's control, e.g., serious personal illness/injury, illness or death of parent, etc., during either the fall or spring semester.

(7) "Full-time employment" means employment for 50 work weeks at an average of 35 hours per week.

(8) A "presumption" refers to a fact which is considered proven unless clear and convincing evidence to the contrary can be established. Each individual must be given the opportunity to rebut the presumption.

(9) "Documentation" refers to the submission of source documents, e.g., official letters, papers, or sworn statements. As a general rule, evidence cited as the basis for domicile must be documented, and the required documentation should accompany the application for residency classification.

SECTION 3. GUIDELINES FOR DETERMINATION OF RESIDENCY STATUS.

(1) Initial classification of residency shall be determined based upon the facts existing when the conditions governing admission for a specific semester/term have been met.

(2) The domicile of an unemancipated person is that of either parent. The domicile of the parent shall be determined in the same manner as the domicile of an emancipated person.

(3) Any unemancipated person who remains in this state when his or her parent(s), having domicile in this state, moves from this state shall be entitled to classification as a resident while in continuous attendance at the degree level in which he or she is currently enrolled. When continuous attendance is broken or the current degree level is completed, the person's residency classification must be reassessed in accordance with the appropriate sections of this policy.

(4) An unemancipated person whose parent is a member of the Armed Forces and stationed in this state on active duty pursuant to military orders shall be classified as a resident. The student, while in continuous attendance at the degree level in which he or she is currently enrolled, shall not lose his or her resident status when his or her parent is thereafter transferred on military orders. When continuous attendance is broken or the current degree level is completed, the person's residency classification must be reassessed in accordance with the appropriate sections of this policy. This guideline is invalid if the parent is stationed in Kentucky for the purpose of enrollment at an institution of higher education or on temporary assignment of less than one year.

(5) Upon moving to this state, an emancipated person who provides clear and convincing evidence of domicile may apply for resident classification for his or her unemancipated children. Provided that the person is not in this state primarily as a student, his or her unemancipated children may be classified as residents. If the person is in Kentucky primarily for the purpose of enrollment at an institution of higher education, neither that person nor his or her unemancipated children may be classified as residents.

(6) A member of the Armed Forces of the United States stationed in Kentucky on active military orders is considered domiciled in the state and shall be entitled to classification as a resident while on active duty in this state pursuant to such orders. Individuals classified under this section will be reassessed in accordance with the appropriate sections of this policy when the qualifying condition is terminated. This rule is invalid if the individual is stationed in Kentucky for the purpose of enrollment at an institution of higher education or on temporary assignment of less than one year.

(7) An emancipated person who moves to the Commonwealth within six months from the date of discharge from active duty with the military with the stated intent of becoming a legal resident of the Commonwealth shall be permitted to count such time spent in the military service toward meeting the presumptions outlined in Section 4, provided the individual was a legal resident of Kentucky at the time of induction or his or her home of record and permanent address during and at the time of discharge was Kentucky.

(8) In the event of transfer to, or matriculation in, another Kentucky public institution of higher education, the student's residency classification must be reassessed by the receiving institution.

(9) Any person incarcerated in a penal facility located in Kentucky shall be granted resident status during his or her confinement, but his or her residency classification must be reassessed in accordance with the appropriate sections of this policy upon release from confinement. Time served during incarceration shall not be used to establish domicile unless the individual resided in the Commonwealth prior to confinement or the conditions of parole restrict the location of the individual to the Commonwealth.

(10) Any person holding an immigration visa or classified as a political refugee has the capacity to remain in Kentucky indefinitely and shall establish domicile in the same manner as any other person.

(11) Any person holding a temporary, nonimmigrant visa which requires the maintenance of a foreign domicile--visa designation B, F, J, or M--does not have the capacity to remain in Kentucky indefinitely and may not attain Kentucky resident status for fee assessment purposes. Likewise, any person holding a nonimmigrant visa designation C, D, or K may not attain Kentucky resident status for fee assessment purposes due to the transitory or temporary nature of the visa.

(12) Any person holding a nonimmigrant visa--visa designation, A, E, G, H, I, or L--may remain in Kentucky indefinitely as long as his or her authorized purpose or established need continues and may attain Kentucky resident status for fee assessment purposes. In assessing the residency status of such a person, other sections of this policy shall apply, and the person's purpose and length of stay as well as other conditions governing his or her presence in Kentucky shall be determined and considered. If this review justifies a resident classification, the person shall be classified as a resident for fee assessment purposes.

(13) In the event that an emancipated person or the parent of an unemancipated person moves out-of-state, domicile, having been established in Kentucky, is retained until steps are taken to establish domicile elsewhere. The same facts and conditions which are presumed in establishing a Kentucky domicile are similarly presumed in determining when a former Kentucky domicile has been abandoned. In the absence of clear and convincing evidence as to the domicile of an emancipated person who at one time had domicile in Kentucky, that person is presumed to have lost his or her Kentucky domicile upon a one-year absence from the state.

SECTION 4. PRESUMPTIONS. *Unless the contrary appears from clear and convincing evidence*, it shall be presumed that:

(1) The domicile of an unemancipated person whose parents

are divorced, separated, or otherwise living apart shall be presumed to be Kentucky if either parent is a resident of the Commonwealth regardless of which parent has legal custody or is entitled to claim that person as a dependent pursuant to Kentucky income tax provisions.

(2) Every emancipated person remaining in this state in a nonstudent status (i.e., not enrolled in an institution of higher education) for the 12 months immediately preceding the last date for enrollment in the institution and fulfilling conditions associated with domicile shall be presumed to be a resident for admission and fee assessment purposes.

(3) No emancipated person shall be presumed to have gained resident status while attending any institution of higher education more than half-time (half-time being equal to one-half of full-time), as such status is defined by the governing board of such institution, in the absence of a clear demonstration that he or she had established domicile in the state.

(4) Attending college half-time (half-time being equal to one-half of full-time) or less will not prevent an emancipated person who has full-time employment from establishing domicile.

(5) A student who has been classified nonresident is presumed to continue as nonresident while working part-time.

(6) The domicile of a married person shall be determined in the same manner as the domicile of an unmarried person. While no person shall be presumed, solely by reason of marriage or cohabitation, to have established or to have lost domicile in Kentucky, the fact of marriage or cohabitation and the place of domicile of the spouse or cohabitant are deemed relevant evidence in ascertaining domicile.

(7) A student whose admissions records show him or her to be a graduate of an out-of-state high school or his or her residence to be outside of Kentucky at the time of application for admission is presumed to be a nonresident and will be initially so classified.

SECTION 5. TYPES OF EVIDENCE TO BE CONSIDERED FOR ESTABLISHMENT OF DOMICILE. Evidence submitted on behalf of an unemancipated person must pertain to the domicile of either parent. Initial classifications generally are made on the basis of information derived from admissions materials, and individuals who enroll in college immediately following graduation from high school and remain enrolled are treated as unemancipated persons unless the contrary is evident from the information submitted. In such cases, domicile will be inferred from the student's permanent address, parent's mailing address, and/or location of high school of graduation.

A person claiming emancipated status must document his or her independent status under Section 2(3) and must demonstrate that he or she has established a domicile in Kentucky by his or her own acts. If an emancipated person asserts that he or she has established domicile in Kentucky, he or she has the burden of proving he or she has done so. The following statements pertain to the kinds of evidence and required documentation that will be considered in reviewing an assertion by an emancipated person that he or she is domiciled in Kentucky.

(1) The following facts, although not conclusive, have probative value in support of a claim for resident classification:

A. acceptance of an offer of full-time employment or transfer to an employer in Kentucky or contiguous area while maintaining legal residence in Kentucky;

B. continuous physical presence in a nonstudent status for the 12 months immediately preceding the last date for enrollment in the institution;

C. filing of Kentucky resident income tax returns when absent from the state;

D. full-time employment of at least one year while living in Kentucky;

E. attendance as a full-time, nonresident student at an out-of-state institution of higher education while determined to be a resident of Kentucky; or

F. abandonment of a former domicile and establishing domicile in Kentucky with attendance at an institution of higher education following and only incidental to such change in domicile.

(2) The following facts are not necessarily sufficient evidence of domicile:

A. employment by an institution of higher education as a fellow, scholar, assistant, or in any position normally filled by students;

B. a statement of intent to acquire a domicile in Kentucky;

C. voting or registration for voting;

D. lease of living quarters;

E. payment of local and state taxes;

F. Kentucky automobile registration;

G. Kentucky operator's license;

H. continued presence in Kentucky during vacation periods;

I. marriage to or cohabitation with a Kentucky resident; or

J. ownership of real property in Kentucky.

Domicile shall not ordinarily be conferred by the performance of acts which are auxiliary to fulfilling educational objectives or are performed as a matter of convenience. Mere physical presence in the state for educational purposes is not sufficient evidence of domicile.

(3) The determination of domicile must be based upon verifiable circumstances or actions. Sections 5(1) and 5(2) above list some facts that may be relevant in evaluating a claim to domicile, but other facts pertaining to an individual's situation may be considered. No single fact is paramount, and each situation must be evaluated to identify those facts which are essential to the determination of domicile.

When reviewing the evidence and documentation submitted, institutions may request additional evidence and/or documentation to clarify the person's circumstances and to formulate a classification decision which considers all relevant facts.

RESPONSIBILITIES. The responsibility for registering under the proper residency classification is that of the student. It is the student's obligation, prior to the time of registration, to raise questions about residency classification with the administrative officials of the institution in which he or she is registering for an official determination of status. A student classified as resident who becomes nonresident by virtue of a change of domicile by his or her own action or by person(s) controlling his or her domicile is required to notify the proper administrative officials of the institution at once. A student classified as nonresident will be considered to retain that status until he or she makes written application for reclassification in the form prescribed by the institution and is officially reclassified by the proper administrative officials. The effective date of a residency classification cannot predate the date of application for reclassification.

Each institution is responsible for establishing procedures for the collection of sufficient information in support of residency classifications, maintaining accurate files, and administering this policy in a consistent manner.

SECTION 6. RESIDENCY CLASSIFICATION PROCEDURE. Each institution shall establish a procedure for the initial determination of residency classification based upon this policy. To consider student requests for reclassification, each institution shall establish a committee, hereafter, the "Committee," to consider changes in residency classification. Application for change of residency classification shall be made in writing to the administrative office or to the person designated by the institution for this purpose. To support full consideration of a request for a change in residency classification, each application shall consist of a complete affidavit, the content of which prescribes the necessary documentation to substantiate facts cited. The student must provide all information relevant to a determination of his or her current residency status. Each applicant is encouraged to submit a formal statement indicating the basis for his or her claim to resident status.

The student working with the institutional classification officer is responsible for ensuring that all needed documentation is submitted with his or her affidavit. Incomplete applications may be deferred at the discretion of the Chair of the Committee. The Chair will present each case to the Committee for a decision, and the student will be notified in writing as to the disposition of his or her application.

In the event of a ruling by the Committee which is unsatisfactory to the student, the student may appeal the institutional decision and request that a complete copy of his or her file, e.g., affidavit, documentation, the student's statement if submitted, be submitted by the administrative office or the person designated by the institution to the Executive Director of the Council on Higher Education.

APPEAL PROCEDURE. The Executive Director of the Council on Higher Education shall appoint a person to serve as an appeals officer. The appeals officer shall review all residency appeals from the public institutions of higher education.

A student may appeal the decision of the Committee within 14 calendar days of such decision to the Council on Higher Education by giving written notice to the Chair of the Committee or the person or office designated by the institution. The institutional representative designated to handle appeals is responsible for forwarding a complete record of the matter to the Executive Director of the Council on Higher Education.

(1) The student's written notice of appeal need not be in any prescribed form, but it must clearly state reasons for the appeal.

(2) The institution shall forward a complete copy of the student's file within 14 calendar days of the receipt of a notice of appeal. The student may review the content of his or her file before it is forwarded to the Council on Higher Education. Significant new evidence may warrant a new hearing by the Committee before the matter is referred to the Council on Higher Education.

(3) The appeal shall be considered on the written record alone.

(4) The appeals officer shall review findings of fact, draw conclusions, and formulate a recommendation consistent with the facts and this policy. Within 14 calendar days, the report of the appeals officer shall be forwarded to the institutional representative designated to handle appeals for final disposition by the institution in accordance with established institutional procedures. A copy of that report shall be forwarded to the Executive Director of the Council on Higher Education. The institution shall act on the appeal within 21 calendar days of the receipt of the appeal officer's report.

(5) Within 7 calendar days, the institution shall notify the student of the final disposition of his or her appeal.

Section 7. STATEWIDE MEETINGS. To enhance consistency among the institutions in the interpretation and application of this policy, the institutional residency officers shall meet twice a year with Council staff and the appeals officer to discuss the residency policy, institutional classification procedures, and decisions made by the appeals officer.

SECTION 8. EFFECTIVE DATE These revised guidelines become effective on July 1, 1987, and supersede all previous policies of the Council relating to classification of students for fee assessment purposes.

Student Financial Obligations

Any student or former student who is indebted to the University and who fails to make satisfactory settlement within a time limit prescribed is liable for administrative action. Students who are indebted to the University may not register at the University nor will their transcript be released until the debt is paid. Any student indebted to the University who cannot meet his financial obligations within the time limit prescribed is responsible for calling on the Director of Billings and Collections and explaining the reasons for failure to pay. Short extensions may be granted for good and sufficient reasons.

Refund Policy

Registration fees paid by students during pre-registration periods will be refundable in full providing the request for refund is filed prior to the beginning of the regular registration period of the term for which the fees have been paid. The housing room

reservation/damage deposit will be refunded in full if written cancellation is received by July 15 for the fall semester; December 15 for the spring semester; or May 15 for the summer term, respectively.

Refunds on fees, board plan charges, and room rental charges upon official withdrawal from the University shall be made on the following schedule:

During regular registration period:
Prior to the first day of classes—90%
During the first and second weeks of classes—75%
Third and fourth weeks—50%
Fifth and sixth weeks—25%
After six weeks, no refund will be made.

During the summer session:
Prior to the first day of classes—90%
First week—75%
Second week—50%
Third week—25%
After three weeks, no refund will be made.

For the purposes of calculation, weeks are defined in seven-day periods beginning with the first day of classes for the semester or summer term.

The percentage of refunds shall apply only to registration and class fees, board plan charges, and room rentals. In no case shall a refund of rent be made to a person who remains a student but moves from University housing at his or her convenience.

Students who move from University housing during the first six weeks of the semester may apply for refund of Board Plan fees in accordance with the schedule above.

Refunds for reduction in course load for part-time students will be at the same percentage rate as for students who officially withdraw from the University; however, if the reduction in course load results from the cancellation of a class or from the student having been permitted to enroll for a class for which he was not eligible, a full refund will be made of the registration fee for the course being dropped. Refunds for reduction of course load must be approved by the Vice President for Academic Affairs and Research.

Living Accommodations

Eastern Kentucky University maintains a number of residence halls. All single full-time undergraduate students under 21 years of age, not residing with their parents within a 50 mile radius of the University, are required to live in University residence hall facilities. Students failing to meet this requirement will be assessed the lower price residence hall fee. Graduate students, married students, and single undergraduate students over 21 years of age must secure special permission from the Director of Housing if they wish to occupy a room in a residence hall. We reserve the right to house or not to house students over the age of 21.

There are a number of large rooms in the residence halls that are designed for three-person occupancy. These rooms are as follows: Burnam Hall: 39, 40, 41, 49, 121, 143, 243, and 343. Case Hall: 318, 320, 322, 418, 420, and 422. Sullivan Hall: 113, 125, 213, 214, 219, 225, 226, 313, 314, 319, 325, and 326.

All students desiring housing in residence halls at Eastern Kentucky University must complete a housing application/contract and forward it, along with a $50 room reservation/damage deposit, to the Director of Billings and Collections, Eastern Kentucky University, Richmond, Kentucky.

The housing deposit is necessary before a reservation can be made. Reservations will be held only until 5 p.m. the day preceding the first day of classes unless students have made arrangements with the Housing Office or individual residence hall Director.

Room rent is paid by the semester and is due and payable at registration.

Family Housing

Brockton provides 280 family housing units which include mobile homes, one-and two-bedroom apartments and efficiencies. Request for family housing reservations in Brockton should be made to the Family Housing Office, Gentry Building. Applications must be accompanied by a $75 security deposit, which is refundable upon termination of the rental period.

Food Service

The University operates several food service facilities on the campus. Large air-conditioned cafeterias in the Powell Building, Martin Hall, and Sidney Clay Hall serve attractive, wholesome meals at reasonable prices. Students may elect to purchase food on an individual meal basis or meal plan. In addition , there is a cafeteria located in the Stratton Building and a grill in the Powell Building.

Office of Student Affairs

Through the Office of Student Affairs, the University informs students of the various aspects of campus life. Some of the more specific areas are: (1) orientation of freshmen and transfer of students; (2) physical and mental health of students; (3) coordination of student activities and organizations; (4) housing assignments; (5) maintenance of certain personnel records; (6) counseling center; (7) implementation of the student rights and responsibilities policies; (8) social programs; (9) veterans affairs; (10) student financial assistance; and (11) student special services.

Students are encouraged to become responsible citizens of communities, citizens of a democracy, and professional people. Immediate emphasis is directed toward those activities which assist students in attaining maximum personal, social, and academic growth in a stimulating environment.

Student Health Services

The health care of students is administered by the Student Health Services (SHS) and its staff. Regular office hours are from 8 a.m. to 5 p.m. Monday through Friday. After hours, including nights and weekends, a nurse is available to assist in emergencies which might arise at those times. The SHS include most laboratory services connected with the care provided, but X-ray procedures are obtained at nearby Pattie A. Clay Hospital, with the customary fee charged to the patient. In addition, most medication connected with the care given is dispensed without charge to the student. The facility has an observation room with two beds for the evaluation and care of acute medical problems. There is a 10-bed infirmary for short term illness requiring overnight care. Students with illness requiring hospitalization will be referred to Pattie A. Clay Hospital, or if possible, to their family physicians for hospitalization in their home community.

All new students must submit a medical history form prior to admission. This becomes part of the student's health records which are kept confidentially at the SHS and are necessary to

provide the proper medical care for students seen at the facility.

In addition to the SHS, the University provides instruction in hygiene, safety, and first aid.

Counseling Center

The University Counseling Center offers services designed to enhance the emotional development of students so they can achieve maximum benefit from their educational experience.

Psychologist and counselors provide individual counseling to assist students in their adjustment to personal and social development. When appropriate, psychological testing may be used to facilitate student self-understanding and realistic goal setting. Career counseling in groups for academic credit (GCS 199) is available each semester for students who are dissatisfied with or undecided about their career goals. A one-hour course entitled "Interpersonal Effectiveness Seminar" (GCS 198) is offered for the development of self-confidence and effective communication skills. In addition, psychiatric referral is available through the Center.

The counselor-student relationship is considered confidential and is carefully protected.

Students may make an appointment by calling or dropping by the Center or through referral from faculty, advisors, and friends.

Student Special Services

The purpose of the Office of Student Special Services is to assist students with disabilities as well as to assure program access and support in attaining their educational goals. Located in Combs Building, Room 116, the office also furnishes mobility maps and handicapped parking permits.

Support services for hearing impaired students are available through the state Office of Vocational Rehabilitation or through a supplemental program for Kentucky residents administered by the Council on Higher Education. These support services include interpreting and notetaking for classroom lectures or activities and interpreting services for tutorial sessions. For more information, please contact the Office of Student Special Services.

Speech-Language-Hearing Clinic

The Communication Disorders Program in the Department of Special Education offers services to students and to the community at the Speech-Language-Hearing Clinic in Wallace 269.

Diagnostic and clinical treatment services provided by the Speech-Language-Hearing Clinic include the following:

1. Screening for speech, language and hearing problems.
2. Assessment and treatment of articulation disorders, delayed or disordered language, stuttering, voice disorders including laryngectomy, speech and language problems resulting from stroke or head injury, language disorders related to learning disabilities, and speech and language problems of individuals in areas of exceptionality such as mental retardation, cerebral palsy, cleft palate, hearing impairment, and emotional disturbance.
3. Identification of hearing impairment by pure tone and speech stimuli or special diagnostic testing as needed; remediation of the communication problem through selection and assessment of a hearing aid and/or aural rehabilitation, including auditory training, speech reading, and adjustment to hearing aid use.
4. Speech improvement for those for whom English is a second language.

Financial Assistance

Financial assistance is some type of financial help available to help meet the costs of a college education. Eastern Kentucky University offers financial assistance in the form of grants, loans, employment, entitlements, and scholarships. Most financial assistance is need-based. Students must complete a Kentucky Financial Aid Form. This form will determine a student's eligibility for the Pell Grant, Supplemental Grant, Kentucky State Grant, Perkins Loan (formerly National Direct Student Loan), Guaranteed Student Loan, and the College Work Study Program. For further information contact the Division of Student Financial Assistance, Box 4A Coates Administration Building, Eastern Kentucky University, Richmond, Kentucky 40475-0931, (606) 622-2361.

ACADEMIC SCHOLARSHIPS

PRESIDENTIAL SCHOLARSHIP—The awarding of this scholarship is based primarily on a student's rank in class. The Presidential Scholarship was initially funded to award to freshmen students, who are residents of Kentucky and who graduate as either valedictorian or salutatorian of their senior class. After those awards have been made, the remaining scholarships will be awarded to students ranking next highest from among the applicants. There are approximately 50 recipients chosen each year.

The Presidential Scholarship award covers one-half the total cost of tuition and the student activity fee. The scholarship is renewable for a total of eight semesters of undergraduate work, providing the student maintains a cumulative grade point average of 2.0.

REGENTS SCHOLARSHIP—The awarding of this scholarship is based on grade point average and ACT composite. To apply for this award, a student must be a Kentucky resident and an incoming freshman. He or she must have a minimum grade point average of 3.75 and minimum ACT composite of 25. A committee, within the college that the student indicates he or she will be majoring, reviews the applications of students from that college and recommends two (2) recipients. There is a total of 25 awards made each year, with some selections made on an at-large basis.

The Regents Scholarship covers the total cost of a student's tuition and the student activity fee. The award is renewable for a total of eight semesters of undergraduate work, providing the student maintains a 3.0 cumulative grade point average.

OTHER AWARDS—There is a limited number of miscellaneous scholarships available to students who do not receive either of the aforementioned awards. The miscellaneous awards generally do no exceed $250 per semester. Most are renewable for a total of eight semesters of undergraduate work.

OUT-OF-STATE STUDENT SCHOLARSHIPS—The University offers a $500 per semester scholarship to out-of-state students. In order to qualify for this award, a student *must* have a minimum ACT composite of 27. The scholarship is renewable for a total of eight semesters of undergraduate work, providing the student maintains a 3.0 cumulative grade point average.

GRANTS

Grants are considered gift aid and generally do not have to be repaid.

The *Pell Grant* is a federal program which provides free money to students enrolled at least half-time in an eligible program of study. This grant is the foundation of a student's financial aid package. A student may receive up to $2,100 depending upon their eligibility as determined by the federal government and the cost of education.

The *Supplemental Educational Opportunity Grant* (SEOG) is available for students who demonstrate exceptional need and receive a Pell Grant. The average SEOG award at Eastern is $400 for the academic year. Awards are based on student's need and the availability of funds.

The *State Student Incentive Grant* (SSIG) is awarded by the Kentucky Higher Education Assistance Authority to eligible Kentucky residents who are enrolled as full-time students. Grant awards are $500 for the academic year.

STUDENT LOANS

Loans are repayable once a student is no longer enrolled as at least a half-time student.

The National Direct Student Loan has been renamed Perkins Loan. This program provides loans for students whose family income and family assets place a limitation upon resources for educational expenses.

This is a low-interest bearing, long-term loan, interest-free while in school, serving with the Peace Corps, Vista, and the Armed Forces. The interest charge during the repayment period is 5 percent.

The borrower may discount 12.5 percent of the loan per year up to a period of four years for serving in the Armed Forces in a hostile area.

The borrower may also discount the loan up to 100 percent of the total loan, including interest, for teaching services in an economically deprived area.

The Guaranteed Student Loan is a need-based loan awarded to eligible students. The GSL application must be completed by the student and Eastern's financial aid office before it is submitted to a financial institution (bank, credit union, etc.). This is an 8 percent interest loan. Eligible students may borrow up to $2,625 for their first two years of undergraduate studies. After successful completion of their first two years, eligible students may borrow up to $4,000. Applications and further information may be obtained by contacting the Division of Student Financial Assistance.

Student Aid Society Inc. Loan Fund. This fund is designed to help worthy students complete their education. It has been augmented from time to time by gifts from different individuals and organizations and is being increased annually. Small loans are available to students who are currently enrolled. Those having high scholastic records will be given preference in the granting of loans. This fund makes it possible for a student to borrow a small amount of money on a personal note at a legal rate of interest. Students who desire further information concerning the fund should get in touch with the Chair of the Student Aid Committee at (606) 622-4642.

PLUS. This is a loan that enables parents to borrow up to $4,000 per year, to a total of $20,000 for each child who is enrolled at least *half-time* and is a dependent student. The maximum interest rate is 12 percent. Contact the financial aid office for more details.

Supplemental Loans for Students (SLS). Supplemental Loans are for independent and graduate students. Under the SLS program students may borrow up to $4,000 per year, to a total of $20,000. This amount is in addition to the GSL limits. Contact the financial aid office for more details.

STUDENT EMPLOYMENT

There is opportunity for student employment whereby a limited number of students may earn part of their expenses by working in the cafeteria, library, bookstore, post office, residence halls, administrative offices, University dairy and farm, maintenance department, and faculty offices.

Student labor should be limited so that work hours will not take too much of the student's study time. While ten hours per week is the average labor load, circumstances may permit a student to work more hours. No student, however, should enter the University without sufficient money for the semester unless there is a definite guarantee of work to support him. For further information and application forms, write to the Division of Financial Assistance, Eastern Kentucky University.

THE WORK-STUDY PROGRAM

Under a grant from the federal government, made possible by the Economic Opportunity Acts of 1964, eligible students may be employed on a part-time basis while in full-time enrollment at Eastern. This program supplements the part-time institutional program which has been in effect at Eastern for many years.

A student or prospective student from a low-income family is eligible for employment under the Federal Work-Study Program. The student must enroll for a minimum of 12 semester hours of course work each semester and maintain satisfactory academic progress.

Placement in jobs will depend upon the financial needs, skills, interests, and aptitudes of the student and the availability of positions open at a given time. Students may work up to 20 hours per week, depending upon their needs. Payments are made to the student employee on a semi-monthly basis.

ENTITLEMENTS

The Veterans Program at Eastern Kentucky University is approved by the Kentucky Approving Agency for Veterans Education for the education of veterans and their eligible dependents. Students concerned with veterans training should have, at the time of registration, a certificate of eligibility. This is secured from the regional office of the Veterans Administration. The University is responsible for the completion of certain Veterans Administration forms and the other necessary information about students who receive this aid.

If you have completed courses while in the armed forces, ask the Registrar about the possibility of receiving credit for such courses.

Veterans Administration Benefits. War orphans, widows, children and wives of deceased and disabled veterans should contact the Veterans Administration, 600 Federal Place, Louisville, Kentucky. Application forms are available in the Veterans Affairs office. Veterans wishing to receive advance payments should notify the office of Veterans Affairs at least 30 days prior to the beginning date of classes.

For information concerning tutorial assistance or refresher courses, contact the office of Veterans Affairs at EKU.

Vocational Rehabilitation. This program offers assistance for students with physical handicaps of various kinds. Students who wish to consult with a representative relative to vocational rehabilitation should write the Department of Education, Department of Vocational Rehabilitation, Frankfort, Kentucky, for specific instructions.

Student Organizations and Activities

In addition to its academic programs, the University provides many services and activities that promote mental/physical health and social/academic well-being. The provision of a meaningful life experience for the student is the goal of the faculty and staff.

Student organizations, societies, and clubs form an intrinsic part of a program that provides academic, social, and religious experiences at Eastern. Student organizations offer varied activities to encompass the interests of all students. The 160 student organizations fall into the following categories: honor societies, departmental organizations in each major, religious groups, activity and special interest organizations, social sororities and fraternities, and service organizations.

The changing nature of the University precludes a complete listing of all organizations and activities that are available during the year. Students will find this information in official campus publications such as the *University Handbook for Students*, in notices posted on bulletin boards, in *The Eastern Progress*, and at the Office of Student Activities and Organizations, Powell 128.

SOCIAL ACTIVITIES

The University Center Board arranges a variety of social activities for the benefit of Eastern's students. Such activities as movies, dances, concerts, and parties are planned for the students' enjoyment. The school calendar lists all approved social activities. The Office of Student Activities and Organizations coordinates the activities on campus. Students have the opportunity to participate in a variety of leisure time activities.

The Chapel of Meditation

The Chapel of Meditation is non-denominational and is open to students, faculty, staff, alumni and friends of the University for meditation, prayer and spiritual reflection. The Chapel is used for weddings, memorial services, and for special services by the various religious organizations and student groups. The University Chaplain's office is located in the basement of the Chapel. The Chaplain is available for counseling and for weddings. He also coordinates the various activities of the Chapel.

Office of Minority Affairs

The Office of Minority Affairs was developed to assist the minority student in having a successful experience at Eastern Kentucky University . OMA provides various services that include cultural and educational programs that stress to students the importance of their heritage. This office also encourages exchange of information across cultural barriers.

Student Identification Card

When a full-time student registers at Eastern, he is given a combination identification-activity card bearing his photograph, student identification number, and signature.

Students must carry their I.D. cards at all times and produce them when requested by members of the University staff. The cards are used when drawing books from the library, cashing checks, and at University activities. Students are liable for disciplinary action for misuse of I.D. cards.

A fee will be charged for replacement if an activity card is lost. The loss of a card must be reported immediately to the Office of Student Activities and Organizations, Room 128, Powell Building.

Athletics and Recreation

The University offers a varied athletic and recreational program for all students. It consists of extensive intercollegiate, intramural, specialized club and recreational activities.

Eastern Kentucky University is a member of the Ohio Valley Conference and the National Collegiate Athletic Association.

Athletic teams play schedules representing major regional institutions in addition to regular conference competition and advance to national tournaments when they qualify.

Intercollegiate competition is sponsored for men in baseball, basketball, football, golf, tennis, cross country, and track and field; for women, in basketball, cross-country, field hockey, tennis, track and field and volleyball.

The Intramural Recreational Sports Office offers programs in competitive team and individual sports, recreational free play, sport clubs, faculty-staff activities, and co-ed activities.

Entertainment and Cultural Events

Through its fine arts departments and the University Center Board, Eastern provides a wide variety of entertainment and cultural events. The UCB sponsors lectures, popular entertainers, fine arts performances, and campus movie schedule for the university community; while many events are free of charge to faculty and students, others require only a nominal admission fee.

The Department of Art provides a variety of exhibitions in the Giles Gallery (Jane F. Campbell Building). These include exhibitions by international and regional artists, students, faculty, and thematic exhibitions. Admission is free. Gallery lectures are also frequently provided for the public.

The Department of Music usually produces about 80 faculty, student, and visiting recitals, concerts, and ensemble performances during an academic year. All are open to the public and admission is usually free.

The Department of Speech and Theatre Arts provides at least four performances each academic year including recent Broadway plays, musical theatre, and traditional plays. Occasionally, student directed performances are also presented. Modest admission fees are charged.

Many other cultural activities are offered by the university's annual culture festival and by academic departments and clubs.

Student Publications

The Milestone is the University yearbook. Published annually, this publication contains photographs and statistical records of events of the University year. The book is distributed during the last two weeks of the spring semester. *The Milestone* has received numerous national awards in recent years and is ranked annually among the top student publications in the nation.

The Eastern Progress, weekly student newspaper, is the official student publication of the University, and all students are encouraged to take advantage of the journalism training offered by the *Progress.*

Aurora is a magazine of student writing published by its student staff to encourage interest in literary activity. *Aurora* accepts poems, one-act plays, short stories, prose sketches, and essays from any Eastern student. Cash prizes are awarded for the best works at the time of the spring publication.

Student Automobiles

All motor vehicles which are parked on the campus must be registered with the University through the Division of Public Safety.

Students desiring to register a motor vehicle may do so only by presenting a valid operator's license and a motor vehicle bill of sale or registration receipt at the time of registration. The vehicle to be registered must be owned by the student or a member of his immediate family. In addition, all registered vehicles must meet all safety standards as prescribed by the Kentucky Department of Public Safety and the University.

Students who violate University parking regulations are subject to fine, and serious violations may result in revocation of parking privileges. Please consult Motor Vehicle Parking Regulations for further clarification of parking rules and procedures.

Division of Career Development & Placement

Through the implementation of eight major services, the Division of Career Development and Placement, 319 Jones Building, assists students and alumni who are seeking employment and/or defining career objectives. Registration with the office through the filing of placement credentials is encouraged for graduating students and alumni.

Employment information, current job vacancy announcements, personal job referrals, and on-campus professional interviews are provided to assist those who are entering the employment market. Information on graduate and professional schools is also available. For individuals seeking career information, a professional staff is available to assist students on a one-to-one basis. The Career Information Resource Center, located within the facility, serves as a depository and dispensary of specific employment and career information. Part-time employment, summer employment, and information on internships are also available through the division. The office also has available a Guidance Information System (GIS), a computerized inventory of occupational fields; two-year, four-year, and graduate school information; financial aid sources; and military/civilian career opportunities.

Information on placement activities is available through the *FYI, The Eastern Progress*, academic and departmental personnel, bulletin boards, and other campus media.

The Alumni Association

The Eastern Kentucky University Alumni Association serves as a vital link between the University and its graduates by maintaining records, communicating, and sponsoring programs and activities designed to enhance this relationship.

All Eastern Kentucky University degree recipients are automatically members of the Alumni Association. Those graduates who make annual gifts are classified as "active," while other members are carried as "inactive." Associate memberships for non-degreed individuals with an interest in the University are also available.

Alumni activities and programs are normally made available to active members of the Association. Two major activities are planned annually for all members, however. Homecoming, held each fall, features the 10- and 15-year reunion classes as well as other special interest group reunions. Alumni Day, held in the spring in connection with graduation, brings back the 70-, 60-, 50-, 40-, 30-, and 25-year classes and annually honors Outstanding Alumnus recipients.

Other regular Association activities and programs include maintaining alumni chapters in three states and Washington, D.C.; offering alumni tours at reduced fares; publishing the alumni magazine and periodic newsletters; arranging receptions or similar activities in conjunction with special University events; making available a life insurance program with low-cost group protection, offering book discounts from the University Press of Kentucky, and sponsoring the Alumni Scholarship program.

The Association's flexibility also allows occasional offerings of goods and services, such as the Alumni Directory and print sales, which keep alumni involved with the University and each other.

A member of the Council for the Advancement and Support of Education (CASE), the EKU Alumni Association is governed by 11 elected active graduates who serve for varying terms on the Alumni Executive Council, the governing body. The Director of Alumni Affairs serves as a permanent member of the Council.

Provisions of the Family Education and Privacy Act of 1974 PUBLIC LAW 93-380

I. This is to serve notice to all students of Eastern Kentucky University of the rights and restrictions regarding the maintenance, inspection, and release of student records contained in the Family Education and Privacy Act of 1974.The University is composed of nine colleges and offers a wide variety of services to students. Each college and service requires the maintenance of some records concerning students enrolled in a particular college or participating in a nonacademic service. The location and type of record maintained by the University depends upon the field of study or service in which the student is enrolled. The following is a list of the types of records maintained by the University for undergraduate students.

A. Undergraduate records:

1. Grade reports
2. Transcripts
3. Curriculum information
4. Application for graduation
5. Correspondence with students, if any
6. Withdrawal records, if applicable
7. Admission forms
8. ACT test scores
9. Student teacher evaluation, if applicable
10. Letters of recommendation, if applicable
11. Nominations for awards, if applicable
12. Biographical data
13. Evaluation forms, if applicable
14. Weekly student teacher logs, if applicable
15. Mid-term evaluation, if applicable
16. Records of school visitations, if applicable
17. Physical Education requirement waiver
18. Field training evaluations and correspondence, if applicable
19. Professional conduct agreements and liability insurance coverage

B. In addition to the persons identified in paragraph C below, the following persons have access to pertinent student records: the student's advisor, academic deans, or equivalent University officials who have need of information in order to carry out their official responsibility.

C. A list of persons and offices maintaining the above records is maintained in the office to the President and will be made available to students upon request.

II. Students have the right to inspect any and all records directly related to them except as follows:

A. Students do not have the right to inspect confidential letters of recommendation placed in their files before January 1, 1975. Students may waive their right to inspect such letters furnished the University after January 1, 1975.

B. Students do not have the right to inspect records maintained by the University Division of Public Safety.

C. Students do not have the right to directly inspect medical, psychiatric, or similar records which are used solely in connection with treatment of a student; however, they do have the right to have a doctor or other qualified professional of their choice inspect such records.

D. Students do not have the right to their parents' confidential financial statements.

III. A student or parent, whichever is applicable, shall have the opportunity of a hearing to challenge the contents of any University record on the grounds that such record or records are inaccurate, misleading or otherwise in violation of the privacy or other rights of the student and an opportunity for correction of deletion of any such record. If the student desires to challenge

such a record, he shall do so by filing a written request in the office of the University Attorney stating which record is to be challenged and upon what ground. Such challenge of records shall be considered by the University Records Review Committee within a reasonable time not to exceed 30 days following such request. The student or parent will be allowed to present to the committee evidence, including witnesses, to the committee, in support of his challenge. This right to challenge also extends to former students of the University.

IV. The University shall not release student records to persons other than authorized University officials, to any individual, agency, or organization, other than the following, without the written consent of the student:

A. To other local educational officials, including teachers or local educational agencies who have legitimate educational interest.

B. To officials of other schools or school systems in which the student intends to enrolls, upon the condition that the student be notified of the transfer and receive a copy of the record if desired and have an opportunity to challenge the contents of the record.

C. To authorized representatives of the Comptroller General of the U.S., the Secretary of HEW, or an administrative head of an educational agency, in connection with an audit or evaluation of federally supported programs.

V. The University shall not furnish in any form any personally identifiable information contained in personal school records to any persons other than those listed in paragraph IV above, unless there is a written consent from the student specifying records to be released, the reasons for such release and to whom, and with a copy of the records to be released to the student if desired, or in the event records are lawfully subpoenaed or otherwise judicially ordered, the University shall notify the student of such subpoena or judicial order in advance of the compliance therewith.

VI. All persons, agencies or organizations desiring access to the records of a student shall be required to sign a written form which shall be kept permanently with the file of the student, indicating specifically the legitimate educational or other interest that such person, agency, organization has in seeking the information.

VII. The University will release directory information to individuals, agencies, or organizations. Directory information includes the student's name, social security number, address, telephone listing, dates of attendance, degrees and awards. It will also release grade point averages of students being considered for honorary societies, awards, or other honorary recognition. This information will be released unless the student or parent notifies the University that such information shall not be released. Such notification should be sent to the office of the University Counsel.

VIII. Copies of student records, except official transcripts, will be furnished to the student at a cost of $.25 (twenty-five cents) per page.

IX. Parents of dependent students have a right to information concerning their children's grades without having to gain the student's consent.

3 GENERAL ACADEMIC INFORMATION

CONTENTS

Admission to the University 27
Academic Programs 29
Pre-Professional Curricula 30
Baccalaureate Degree Requirements 31
Associate Degree Requirements 34
Academic Regulations 34
Graduation 37

Admission to the University

All students seeking admission to undergraduate study at Eastern Kentucky University must submit a completed application to Admissions, 203 Jones Building, Eastern Kentucky University, Richmond, KY 40475-0931. Policies and procedures for each of the five admissions types are described below.

ENTERING FRESHMEN

1. In-state Students

Graduates of Kentucky high schools will be unconditionally admitted to Eastern Kentucky University if they have met the requirements of the Pre-College Curriculum mandated by the Kentucky Council on Higher Education. This curriculum requires students to have earned at least four units of English (English I, II, III, and IV), three units of mathematics (including Algebra I or II and Geometry), two units of social studies (U.S. History and World Civilization), and two units of science (including Biology I or Chemistry I or Physics I).

For 1987-88 only, entering freshmen who have not met the requirements of the Pre-College Curriculum will be admitted without conditions by scoring a minimum 17 composite on the A.C.T. test or by scoring a minimum of 17 in the deficient area of the pre-college curriculum or by ranking in the upper half of their high school graduating class. Students not meeting any of these conditions will be admitted to pursue baccalaureate degree programs with the condition that they will be required to complete a designated course or courses as a part of their baccalaureate programs in the areas missed in the pre-college curriculum.

For 1988-89, students who have not completed the Pre-College Curriculum will be admitted to pursue baccalaureate degree programs with the condition that they will be required to complete a designated course or courses as a part of their baccalaureate programs in the areas missed in the Pre-College Curriculum.

For both years, students who have not completed the Pre-College Curriculum will be admitted without conditions to pursue community college (associate degree) programs. After earning 12 hours in university level courses with a "C" standing or better, students may transfer if they wish, without conditions, to baccalaureate degree programs.

Tentative admission is granted to graduating seniors. A final high school transcript is required upon completion of graduation requirements and must certify the actual date of graduation.

The submission of American College Test (A.C.T.) examination scores by entering freshmen is *required* prior to the student being permitted to register for classes.

It should be noted that certain baccalaureate and associate degree programs have special admission requirements. Admission to the University does not mean automatic admission to these programs.

2. Out-of-State Students

To be eligible for admission, entering freshmen who are graduates or are graduating seniors of out-of-state high schools must either rank in the upper 50 percent of the matriculating class or have an A.C.T. composite score in or above the 50th percentile nationally. In addition, out-of-state applicants are expected to have completed a high school curriculum equivalent to the Kentucky Pre-College Curriculum. Those not doing so will be admitted with the same conditions as Kentucky applicants (see above).

A non-resident entering freshman who is not admissible as specified above but who demonstrates through other accepted measures the ability to pursue the college program may be admitted to the summer session. Other accepted measures could include transcript evaluation demonstrating evidence of maturation during the final two years of high school, GPA of 2.5, or satisfactory performance on tests other than A.C.T., such as S.A.T. Students so admitted would be required to enroll for at least six hours to include English Composition and would be required to earn not less than a 2.0 grade point average. Students who fulfilled these requirements would be permitted to enroll in the fall semester without restriction.

3. G.E.D. Recipients

G.E.D. recipients, students who have earned the General Equivalency Diploma by taking the General Educational Development Test, are granted final admission upon submission of an admission application and official G.E.D. examination scores. *Copies of the G.E.D. diploma are not acceptable in lieu of the examination scores.* Applicants who have earned the G.E.D. diploma must be at least 17 years of age and must have passed the G.E.D. examination with a minimum score of 45. In addition, the applicant's high school graduating class must have matriculated by the beginning of the term for which the applicant requests admission.

Individuals who have completed the G.E.D. equivalency will be admitted to pursue associate or baccalaureate degree programs. The department chair may designate one or more courses to be completed as a part of the degree program if it is determined that this is necessary to remove deficiencies in the student's preparation.

TRANSFER STUDENTS

Transfer students who have been previously enrolled or are currently enrolled at *regionally accredited* post-secondary junior, community and/or four-year colleges and universities are required to submit an admission application and official transcript,

either *partial* or *complete*, from each accredited institution previously attended. Transcripts from nonaccredited institutions need not be submitted.

Unconditional admission is granted to transfer applicants who evidence a cumulative 2.0 grade point average (on a 4.0 scale) from all accredited institutions and who are eligible to return to those institutions.

A student seeking to transfer with less than a 2.0 grade point average may be admitted under the following conditions: 1) The student is eligible to return to his/her former institution(s); 2) The student's grade point average and hours attempted conform to EKU's policy for continued enrollment for its current students; 3) The student presents a written appeal on which justification is made for admission, e.g. catastrophic circumstances, illness, etc. This procedure requires the student to submit high school records as well as an appeal form supplied by the Division of Admissions. A review committee comprised of the staff of the Division of Admissions reviews the documentation and determines the admission decision. Conditionally admitted transfer students are placed on academic warning or probation in accordance with the academic standards of the University as stated on page 36 of this catalog. Transfer students who were in good standing but failed to meet the other requirements as outlined above would not be admitted to the University except during the summer session at which time they may enroll for a maximum of six hours of credit or for part time enrollment in a regular semester in which they may enroll for not more than one class.

The credits earned by a transferring student to EKU are accepted from regionally accredited institutions. An evaluation of academic transcripts is performed once the student has been admitted to the University. The Office of Academic Support and Undergraduate Studies and the individual academic departments determine course by course assignment to the student's academic program.

READMISSIONS

Former students who have not attended another institution since leaving Eastern and whose grade point average meets minimum scholastic standards (see page 36) are granted immediate readmission upon submission of an application for readmission. Those whose grade point average falls below minimum scholastic standards will be considered for readmission in accord with the probation, suspension, and dismissal policies of those standards. Former students who have attended another institution since leaving Eastern will be considered for admission as transfer students. Students leaving the University on social probation or suspension must be cleared through the Division of Student Affairs prior to being considered for readmission.

INTERNATIONAL STUDENTS

International students who are in the United States under the visa classification system in accordance with Immigration and Naturalization Service policies must have completed their application file thirty (30) days prior to the beginning of the term for which they wish to enroll at EKU. The following documentation must be submitted before any international student may be admitted: 1) Application for admission; 2) T.O.E.F.L. (Test of English as a Foreign Language) scores/500 minimum score required; 3) secondary school records and/or college or university transcript(s) as applicable; 4) Declaration and Certification of Finances, showing financial support to attend EKU. Students from Nigeria, Iran, Ghana, and Guyana are required to submit an advance deposit of $6,000.00 before the issuance of a Form I-20.

Admitted international students receive an I-20 form which generates the F-1 visa. The Division of Admissions communicates the information of an admitted international student to the Division of International Education for Immigration and Naturalization Service purposes.

SPECIAL ADMISSIONS

1. High School "Specials"

Students who have one unit less than the number required for high school graduation with superior grades (i.e., 3.0 + GPA) may be admitted provided the high school principal recommends the student as qualified to do college work. High school specials must, upon graduation from high school and enrollment at the University, be re-classified as entering freshmen.

2. Transient Students

Transient, or "visiting," students from other institutions (who enroll for the purpose of having Eastern coursework transferred back to their resident institution) are admissible under the same grade point average requirements as transferring students and should provide transcripts to verify such prior to admission being granted. In addition, transient students should obtain permission from appropriate personnel at the resident institution to enroll for the coursework at EKU.

3. Veterans

All honorably discharged veterans are admissible following discharge if they meet the equivalency (G.E.D.) requirement or are graduates of accredited high schools. Veterans who have attended other accredited post-secondary institutions are admissible under the same grade point average requirements as all other transferring students and should provide transcripts to verify this requirement prior to admission being granted.

Veterans are further encouraged to submit a *legible* copy of their Form DD-214 (discharge verification) in order to receive college credit for military science. This is *not* a requirement for admission.

4. Admission Without Regard to a Degree

Persons over 21 years of age who wish to pursue courses as special students without reference to obtaining a degree may be admitted if they demonstrate adequate preparation for the courses desired.

5. O'Donnell Scholarship Recipients

Persons 65 years of age or older are admissible to the University with a waiver of tuition. No requirements except for the submission of an application for admission are necessary for these persons.

6. Special Consideration

Entering freshmen or transfer students who do not meet the admission requirements as specified elsewhere may be considered for admission upon recommendation of a member of the faculty of the University. The recommendation and supporting information are referred to the Division of Admissions. The Division of Admissions refers the recommendation to the Dean for Academic Support and Undergraduate Studies, then to the Vice-President for Academic Affairs and to the President of the University for final consideration. Students admitted under this provision may be required to earn a specified grade point average during the term of admission and may also be limited in the number of hours attempted.

Academic Programs

The following programs are registered with the Kentucky Council on Higher Education in Frankfort, Kentucky. Many of these programs incorporate approved options which may provide a background tailored for individual student needs. At the undergraduate level, these options are presented with the program descriptions in the Catalog. Options at the graduate level are found in the Graduate Catalog. Joint doctoral programs are offered in cooperation with the University of Kentucky.

MAJORS	DEGREES
Accounting	BBA
Administrative Office Systems	AA
Agriculture	AS, BS
Anthropology	BA
Art	BA, BFA
Art (Teaching)	BA
Biology	BS, MS
Broadcasting	BA
Business Administration	MBA
Business Education	BS
Business and Industrial Security	AA
Chemistry	BA, BS, MS
Child Care	AS
Child and Family Studies	BS
Clinical Psychology	MS
Clothing Construction and Design	BS
Communication Disorders	BS, MA in Ed
Community Nutrition	MS
Computer Electronics Technology	AS
Computer Information Systems	BBA
Computer Science	BS
Computer Science and Mathematics (Teaching)	BS
Construction Technology	BS
Corrections and Juvenile Services	AA, BS
Criminal Justice	MS
Dietetics, General	BS
Drafting and Design Technology	AS
Earth Science	BS
Economics	BA, BBA
Educational Administration and Supervision	EdS
Elementary Education	BS, MA in Ed, EdS
Emergency Medical Care	AS, Certificate
English	BA, MA
Environmental Health Science	BS
Environmental Resources	BS
Executive Office Systems	AA
Fashion Merchandising	BS
Finance	BBA
Fire and Safety Engineering Technology	AA, BS, Certificate
Fisheries Management	BS
Foodservice Administration	BS
Forensic Science	BS
French	BA
General Business	BBA
Geography	BA
Geology	BA, BS, MS
German	BA
Health Care Administration	BBA
Health Education (Community)	BS
Health Education (School)	BS
Hearing Impaired	BS
History	BA, MA
Home Economics Education	BS
Home Economics, General	BS
Horticulture	BS
Individualized Studies	BIS
Industrial Arts Education	BS
Industrial and Community Services Counseling	MA
Industrial Education	MS
Industrial Electronics Technology	AS
Industrial Technology	BS, MS
Insurance	BBA
Interior Design	AA, BS
Joint Doctoral in Administration and Supervision*	EdD
Joint Doctoral in Biological Sciences*	PhD
Joint Doctoral in Criminal Justice Education*	EdD
Joint Doctoral in Curriculum and Instruction*	EdD
Joint Doctoral in Educational, Psychology, and Counseling*	EdD
Joint Doctoral in Higher and Adult Education*	EdD
Joint Doctoral in Social and Philosophical Studies*	EdD
Joint Doctoral in Special Education*	EdD
Joint Doctoral in Vocational Education*	EdD
Journalism	BA
Legal Office Systems	AA
Management	BBA
Marketing	BBA
Mathematical Sciences	MS
Mathematics	BS
Mathematics-Physical Science (Teaching)	BS
Medical Assisting Technology	AS
Medical Laboratory Technician	AS
Medical Office Systems	AA
Medical Record Administration	BS
Medical Record Technology	AS
Medical Technology	BS
Microbiology	BS
Military Science	Commission
Music	BA, BM, MM
Music Education	BME, MME
Music Merchandising	BA
Nursing	ASN, BSN
Nutrition Care	AS
Occupational Therapy	BS
Office Administration	BBA
Ornamental Horticulture, Technical	AS
Paralegal Studies/Science	AA, BA
Performing Arts	BFA
Philosophy	BA
Physical Education	BS, MS, EdS
Physics	BS, MS
Police Administration	AA, BS
Political Science	BA, MA
Pre-Allied Health	(Transfer Program)
Pre-Engineering	(Transfer Program)
Pre-Forestry	(Transfer Program)
Pre-Medical Sciences	(Transfer Program)
Pre-Optometry	(Transfer Program)
Pre-Pharmacy	(Transfer Program)
Pre-Veterinary Medicine	(Transfer Program)
Printing Technology	AS
Public Administration	MPA
Public Relations	BA
Psychology	BS
Quality Assurance Technology	AS
Real Estate	BBA
Recreation and Park Administration	BS, MS
Recreation and Park Leadership	AS
Religion	BA
School Counseling	MA in Ed, EdS
School Psychology	MS
Science (Teaching)	BS
Secondary Education (24 Discipline Options)	MA in Ed

Security and Loss Prevention ..... BS
Social Work ..... BSW
Sociology ..... BA
Spanish ..... BA
Special Education ..... BS, MA in Ed, EdS
Speech Communication Studies ..... BA
Speech and Theatre Arts ..... BA
Statistics ..... BS
Student Personnel Services in Higher Education ... MA, EdS
Theatre Arts ..... BA
Transportation and Physical Distribution Management .. BBA
Vocational-Industrial and Technical Education ..... AS, BS
Wildlife Management ..... BS

*Degree awarded by University of Kentucky.

MINORS

Eastern Kentucky University offers minors in a number of fields. Certain minors are restricted as teaching or nonteaching. Students selecting a minor (not all majors require or provide for a minor) should refer to the appropriate departmental sections of the Catalog for detailed descriptions of course requirements for minors. The following minors are offered, some offering options or areas of specialization.

Agriculture
Anthropology
Applied Statistics
Art
Aviation
Biology
Broadcasting
Chemistry
Child and Family Studies
Clothing
Community Health
Comparative Literature
Computer Information Systems
Computer Science
Corrections and Juvenile Services
Dance
Earth Science (Teaching)
Economics
Emergency Medical Care
English
Environmental Health Science
Fashion Merchandising
Fire and Safety Engineering Technology
Foodservice Administration
French
General Business
Geography
Geology
German
History
Home Economics, General
Humanities
Ibero-American Studies
Industrial Technology
Interior Design
Journalism
Mathematical Sciences
Mathematics
Media Sales
Military Science
Music
Natural Resource Analysis
Nutrition
Office Administration
Philosophy
Physical Education
Physics
Planning and Development
Police Administration
Political Science
Psychology
Public Relations
Recreation and Park Administration
Religion
Russian
School Health
Secretarial
Security and Loss Prevention
Social Welfare
Sociology
Soils
Spanish
Special Education
Speech Communication Studies
Textiles
Theatre Arts
Traffic Safety
Visual Media

ENDORSEMENTS/CERTIFICATES

The following programs leading to special endorsements/certificates are offered.

1. Undergraduate
Driver Education Endorsement
Physical Education
  Elementary Physical Education Endorsement
  Athletic Coaching Endorsement
  Athletic Training Certification

2. Graduate
Counseling
Pupil Personnel
Reading Specialist (Elementary or Secondary)
Elementary Principalship
School Business Administration
Secondary Principalship
Superintendency
Supervision of Instruction
School Psychology
Director of Special Education

PREPROFESSIONAL CURRICULA

1. Pre-Law Curriculum

Prospective law students should keep in mind that a broadly based liberal education will best equip one to study law. Thus, no fixed pre-law curriculum is prescribed. A special committee of the American Bar Association recommends that pre-law students take courses in written and speech communications, accounting, economics, psychology, and historical and contemporary social and political processes.

Regardless of one's chosen major, the following abilities are absolutely essential in the study of law: to read critically, to think logically, and to write and speak effectively.

Admission to an accredited law school is dependent upon a good undergraduate record with an earned baccalaureate degree and a competitive score on the Law School Admission Test.

Students interested in going to law school or exploring the possibility should see the pre-law advisor as early in their

academic career as possible. The pre-law advisor can guide the student in selecting courses consistent with the above suggestions plus provide valuable information on law schools, the Law School Admission Test, and typical admissions procedures. The pre-law advisor is located in the Department of Government.

2. "Three-Two" Curricula

In addition to standard pre-professional curricula, Eastern may approve specially arranged combined curricula. In these curricula, the student completes three years as outlined at Eastern to meet basic requirements and then transfers a year of successful work from a highly rated professional school in order to secure a Bachelor of Arts or a Bachelor of Science degree from Eastern Kentucky University. This plan may shorten by one year the time needed for obtaining both a baccalaureate and a professional degree.

3. Other Preprofessional Curricula

Descriptions of the following preprofessional curricula may be found on the pages noted:

Pre-Allied Health 47
Pre-Engineering 162
Pre-Forestry 162
Pre-Medical Sciences (Pre-Dentistry) 163
Pre-Optometry 163
Pre-Pharmacy 163
Pre-Veterinary 165

UNDECLARED STUDENTS

The Office of Academic Support and Undergraduate Studies is responsible for advising lower division students who are not ready to declare a major. Students should declare a major as soon as they are sure of what they want to major in, hopefully, by their fourth semester in the University. Until they do declare, their curriculum will include general education courses appropriate for any four-year program, as well as exploratory electives that will allow them to sample disciplines in which they think they might like to major.

Baccalaureate Degree Requirements

COMPREHENSIVE REQUIREMENTS

1. Completion of all requirements in the degree program as established by appropriate University committees.
2. Completion of University academic requirements, including restricted electives and general education, as established by appropriate University committees for each degree program.
3. Completion of a minimum of 128 semester credit hours, with at least 43 hours at the 300 level or above.
4. A minimum grade point average of 2.0 must be earned on all work taken at Eastern. Transfer students must earn a minimum grade point average of 2.0 on the combined transfer work and Eastern work, as well as a grade point average of 2.0 on all work taken at Eastern.
5. A minimum of 32 semester hours earned at Eastern.
6. At least 30 of the last 36 hours must be earned at Eastern.
7. Credits more than eight years old may not be applied toward undergraduate degree requirements unless validated by the college dean.
8. Only one degree will be awarded at the completion of the baccalaureate degree requirements. Students satisfying requirements in more than one major area will earn two or more majors and these will be so noted on their transcripts (see Double Major). These majors will be either baccalaureate second majors or associate second majors.

GENERAL EDUCATION REQUIREMENTS

General Education requirements include courses which are not necessarily related to the major and which are designed to help the student develop as an educated person and as a citizen. In addition to taking an Orientation Course and eight hours of Restricted Electives as outlined below, students are required to take 46 hours of General Education, although parts of these standard requirements may be waived if they are met by major programs as indicated in the department curricula of the sponsoring colleges.

The University's general education program consists of coursework in five broad areas: symbolics of information; humanities; social science; natural science; and physical education and health. These areas are subdivided into the 19 categories listed below. Students are required to earn the specified number of hours in the 15 categories noted "required." In addition they must earn three hours in each of two of the four categories noted "optional" (categories 04, 08, 12, 16).

Notes: Unless otherwise noted, courses award three semester hours of credit. The hours of those courses not awarding three are noted in parentheses following the course name. Course numbers followed by an asterisk (*) have prerequisites or other restrictions on enrollment. See course descriptions in part IV of this Catalog for specific restrictions.

01 Symbolics. English Composition. Three hours required.

ENG 101* English Composition I
ENG 105* English Composition Honors (3 or 6)
NOTE: Students earning "A" or "B" in ENG 105 will earn six hours of credit, three of which will be applied to category 02. Those earning "C" or "D" will earn three hours credit and will then take ENG 102.

02 Symbolics. English Composition. Three hours required.

ENG 102* English Composition II

03 Symbolics of Information. Three hours required.

CIS 212 Introduction to Data Processing Systems
CSC 102 Computer Literacy with BASIC
or
CSC 171 Introduction to Computer Programming-BASIC (1)
CSC 172* Advanced BASIC (2)
CSC 174* Introduction to Computer Programming-FORTRAN
CSC 180 Introduction to Computer Programming-PASCAL
FLS 300* Elements of Foreign Language
FRE 101 Elementary French I
FRE 102* Elementary French II
FRE 201* Elementary French III
FRE 204 Review of French Grammar
FRE 211* French Reading I
FRE 340* Intermediate French Phonetics
FRE 360* Intermediate Grammar & Composition
GER 101 Elementary German I
GER 102* Elementary German II
GER 201* Intermediate German I
GER 202* Intermediate German II
GER 204 Review of German Grammar
GER 240* Beginning Conversation
GER 340* Intermediate Conversation
GER 360* Intermediate Grammar & Composition
GRE 101 Elementary Greek I
GRE 102 Elementary Greek II
GSL 112* College Reading/Study Skills
or
GSL 115 Learning Dynamics (1)
GSL 116 Rapid Reading (1)
GSL 201 Vocabulary-Symbolics of Information
NOTE: A maximum of three semester hours of GSL course work may count toward General Education

ITA 101 Elementary Italian I
ITA 102* Elementary Italian II
ITA 201* Elementary Italian III
ITA 202* Intermediate Italian
LAT 101 Elementary Latin I
LAT 102* Elementary Latin II
LAT 201* Intermediate Latin I
LAT 202* Intermediate Latin II
MAT 100 College Mathematics: A Computational Approach
MAT 107* College Algebra
MAT 121* Calculus and Analytic Geometry I
MAT 122* Calculus and Analytic Geometry II
MAT 124* Differential and Integral Calculus (4)
MAT 211* Linear Algebra and Calculus with Business Applications
MAT 261* Fundamentals of Calculus with Applications
OAD 201* Business Communications
PHI 100 Practical Reasoning
POR 501* Accelerated Elementary Portuguese I
POR 502* Accelerated Elementary Portuguese II
RUS 101 Elementary Russian I
RUS 102* Elementary Russian II
RUS 201* Intermediate Russian I
RUS 202* Intermediate Russian II
RUS 206* Beginning Conversation
SPA 101 Elementary Spanish I
SPA 102* Elementary Spanish II
SPA 201* Intermediate Spanish I
SPA 202* Intermediate Spanish II
SPA 206 Beginning Conversation
SPA 215 Applied Communications Skills in Spanish
SPA 340* Intermediate Spanish Conversation
SPA 360* Intermediate Grammar & Composition
SPE 100 Introduction to Speech Communication
SPE 200 Interpersonal Communication
SPE 205 Argumentation
SPE 210 Public Speaking
STA 208* Descriptive Statistics
STA 209* Elementary Probability
STA 210* Elementary Inference
STA 270* Applied Statistics I
NOTE: A maximum of three semester hours of STA course-work may count towards General Education.

04 Symbolics of Information. Three hours optional.

Select an additional three semester hours from category 03.

05 Chronological Humanities. Three hours required.

ENG 211* Survey of World Literature I
HUM 226* Human Experience in Traditional Cultures

06 Chronological Humanities. Three hours required.

ENG 212* Survey of World Literature II
HUM 228* Human Experience in the Modern World

07 Creativity Humanities. Three hours required.

ART 200 Art Appreciation: Orientation
ART 390 Survey of Art History I
ART 391 Survey of Art History II
FCC 220 French Culture and Civilization
FCC 222 German Culture and Civilization
FCC 224 Russian Culture and Civilization
FCC 225 Spanish Culture and Civilization
FCC 226 Spanish-American Culture and Civilization
HIS 298 Ideas and the Human Experience
HIS 299 Ideas and the Human Experience
HUM 124 Introduction to Humanities
MUS 171 Enjoyment of Music
MUS 272 Music Literature
MUS 371* Music History I
MUS 372* Music History II
PHE 200 Heritage of Dance
PHI 110 Beginning Philosophy
PHI 130 Beginning Ethics
PHI 240 Philosophy of Religion
PHI 300 Greek and Roman Philosophy
PHI 320 Modern Philosophy
REL 301 World Religions
THE 100 Forms and Philosophy of Theatre
THE 390 Theatre History I
THE 391 Theatre History II

08 Humanities. Three hours optional.

Select an additional three semester hours from category 07 or from the following courses:

CAH 315 Topics in Humanities General Education
COM 350 Cinema History I
COM 351 Cinema History II
HUM 300 The Individual in Contemporary Society
HUM 310 The Creative Imagination in Humanities and Science
MUS 273 Survey of American Popular Music
PHI 340 Philosophy of Science
PHI 360 Human Nature
PHI 385 Environmental Ethics

09 Social Science Principles. Three hours required.

ANT 120 Introduction to Cultural Anthropology
ECO 120 Economics in A World Setting-Principles
ECO 230 Principles of Economics I
NOTE: If general education credit is to be awarded for ECO 230, ECO 231 must also be taken.
GEO 101 Introduction to Geography
GSS 142 Introduction to Social Science
POL 100 Principles of Politics & Government
SOC 131 Introductory Sociology

10 Historical Social Science. Three hours required.

ANT 210 Non-Industrial Societies Around the World
GEO 201 Historical Geography I: Pre-Industrial Era
GSS 246* Pre-Industrial World Civilizations
HIS 202 American Civilization to 1877
HIS 231* Western Civilization I
POL 210 Political Development: Traditional and Transitional Societies

11 Historical Social Science. Three hours required.

ANT 211 Industrial Societies Around the World
GEO 202 Historical Geography II: Modern World
GSS 247* Industrialism in World Civilizations
HIS 203 American Civilization Since 1877
HIS 232* Western Civilization II
POL 211 Political Development: Modern Societies

12 Social Science: Contemporary Problems. Three hours optional.

ANT 325 Problems in Contemporary Cultures
CSB 315 Topics in Social Science General Education
ECO 130 Contemporary Economic Problems
ECO 231 Principles of Economics II
NOTE: If general education credit is to be awarded for ECO 231, ECO 230 must also be taken.
GEO 245 Regions and Nations of the World
GEO 302 Conservation and Environmental Problems
GEO 321 Urban Geography
GEO 322 Political Geography
GSS 250 Ideologies and Institutions of Contemporary Society
GSS 300 Global Challenge and Response
POL 101 Introduction to American Government
POL 220 Problems of International Politics
POL 300 Contemporary Political Problems
PSY 300* Social Psychology
SOC 235 Social Problems
SOC 237 Population and Society

13 Biological Laboratory Science. Three hours required. The listed courses are recommended, but any three-hour biological laboratory science offered by the College of Natural and Mathematical Sciences may be taken.

BIO 131 General Botany (4)
BIO 141 General Zoology (4)
BIO 161 Environmental Plant Science
BIO 162 Environmental Animal Science
BIO 171 Human Anatomy
BIO 301 Human Physiology
and
BIO 378* Human Physiology Laboratory (1)
NAT 101 Biology: The Science of Life

14 Physical Laboratory Science. Three hours required. The listed courses are recommended, but any three-hour physical laboratory science offered by the College of Natural and Mathematical Sciences may be taken.

AST 135* Introduction to Astronomy
CHE 101* General Chemistry I (4)
CHE 105* Chemistry for the Health Sciences (4)
CHE 111* Introduction to Chemistry I (4)
GEO 210 Introduction to Physical Geography
GLY 108* Principles of Geology
GLY 109 Principles of Historical Geology
NAT 171 The Physical Universe
NAT 172* The Physical Environment
PHY 101 Physical Science (Physics)
PHY 131 College Physics I (5)
PHY 201* University Physics I (5)

15 Natural Science. Three hours required. The courses listed below and those listed for categories 13 and 14 are recommended, but any natural science course offered by the College of Natural and Mathematical Sciences may be taken. See your advisor.

ANT 201 Introduction to Physical Anthropology
or
ANT 206 Human Evolution
or
ANT 380* Forensic Anthropology
AST 130* Introduction to Astronomy
AST 330 Theories of Modern Astronomy
BIO 300 Economic Plants
BIO 301 Human Physiology
BIO 302* Human Heredity
BIO 303* Human Heredity and Society
BIO 304 Birds of Kentucky
BIO 317 Conservation of Wildlife Resources
BIO 399* Trends in the Biological Sciences
CHE 100 Molecules and Modern Society
CNM 315 Topics in Natural Science General Education
GEO 215 Introduction to Meteorology
GLY 104 Introduction to Oceanography
GLY 107* Principles of Geology
GLY 302 Earth Science
GLY 390 Environmental Geology
NAT 173* The Physical Environment
NAT 262* Ecology and Human Affairs
NAT 263* Ecology and Human Affairs
NAT 280 Science and Society
NAT 300 Science as a Human Endeavor
SCI 310 History of Science

16 Natural Science. Three hours optional.

Select an additional natural science course offered by the College of Natural and Mathematical Sciences. Courses listed for categories 13, 14, and 15 are recommended.

17 Physical Education I. One hour required.

HPR 180 Basic Physical Education (1)

18 Physical Education II. One hour required.

HPR 181 Basic Physical Education (1)

19 Health. Two hours required.

HEA 281 Personal and Community Health (2)

RESTRICTED ELECTIVE REQUIREMENT

Eight semester hours are to be completed by students seeking the baccalaureate degree. The requirements may be met by MIL 101, 102, 202, and 203 or by electives from at least two departments outside the department of the student's major. These electives may not be used to meet general education or other program requirements, nor may they be taken "Pass-Fail."

LOWER DIVISION REQUIREMENTS

The following courses or their equivalencies are to be completed during the first 60 semester hours earned by the student.

ORIENTATION—100
01/02 ENG 101 and 102 or 105 (six semester hours)
17/18 HPR 180 and 181 (two semester hours)

In addition, a student in consultation with his/her advisor should try to complete nearly 50 percent of the General Education program during these first 60 hours.

DOUBLE MAJOR

A student pursuing an associate or baccalaureate degree may consider a double major which, when completed, will be properly recorded on the official transcript. Students wishing to work for a double major should contact the Dean for Academic Support and Undergraduate Studies for clarification regarding the special provisions and conditions of this type of combined program.

Associate Degree Requirements

COMPREHENSIVE REQUIREMENTS

1. Completion of all requirements in the degree program as established by appropriate University committees.
2. Completion of University academic requirements, including restricted electives and general education, as established by appropriate University committees for each degree program.
3. A minimum of 64 semester credit hours.
4. A minimum grade point average of 2.0 must be earned on all work taken at Eastern. Transfer students must earn a minimum grade point average of 2.0 on the combined transfer work and Eastern work, as well as a grade point average of 2.0 on all work taken at Eastern Kentucky University.
5. A minimum of 16 semester hours must be earned at Eastern.
6. A minimum of 15 of the last 18 hours must be earned at Eastern.
7. Credits more than eight years old may not be applied toward associate degree requirements unless validated by the college dean.
8. Only one degree will be awarded at the completion of these requirements. Students satisfying requirements in more than one associate degree area will earn two or more majors at the associate degree level, and this will be noted on their transcript.

GENERAL EDUCATION REQUIREMENTS

A minimum of 16 hours in courses approved for general education are required for all associate degree programs. These hours must include ENG 101 and ENG 102 or their equivalent. The ten additional hours must include approved courses in categories 05-08 (Humanities); categories 09-12 (Social Science); and categories 13-16 or an approved MAT course from category 03. In addition, an orientation course is required. Courses that meet general education requirements have been identified by an asterisk (*).

RESTRICTED ELECTIVE REQUIREMENT

The associate degree requires completion of one-half of the restricted electives (four semester hours) as noted under the baccalaureate degree.

Academic Regulations

DEVELOPMENTAL REQUIREMENTS

All students at Eastern Kentucky University must demonstrate proficiency in the three basic skill areas of reading, writing, and mathematics. These basic proficiencies are measured by the student's performance on the ACT test, EKU placement tests, and, in the case of transfer students, performance at the previous institution. Students identified as needing additional help in these basic skill areas before they confront a rigorous academic program are required to enroll in and pass appropriate developmental courses designed to improve their skills.

Credits earned in developmental courses do not apply toward graduation ("institutional credit only"), but they do count toward one's enrollment status for such purposes as financial aid eligibility and full-time student status.

A student who fails a developmental course twice will be dismissed from the University and will be ineligible to enroll until the required developmental course has been completed. The student may complete the requirement in one of the following ways: 1) enroll in and successfully complete the course during an Eastern summer session; 2) enroll in and successfully complete the developmental class as provided by the University Special Admission policy; 3) successfully complete an equivalent course at another institution and then pass the appropriate Eastern proficiency examination. Students may appeal to the Developmental Readmission Appeals Committee for reinstatement at the University if they believe that failure to complete the required course is a result of catastrophic circumstances beyond their control.

CATALOG

For general education requirements, a student will be governed by the catalog in use at the time the student enters the University. For major program requirements, full-time students use the catalog in force when they declare a major; part-time students by the one in force when they sign a planned curriculum. However, a student may choose to use the current catalog. If a student's enrollment is interrupted for more than one year, the catalog used is the one in force when the student is readmitted.

CLASSIFICATION OF STUDENTS

A student's classification is determined by the number of semester hours earned, as follows:

Freshman - 0-29 semester hours earned
Sophomore - 30-59 semester hours earned
Junior - 60-89 semester hours earned
Senior - 90 or more semester hours earned

GOOD ACADEMIC STANDING

A student is deemed to be in good academic standing at Eastern Kentucky University when that student maintains a grade point average that permits the student to re-enroll in the institution on a full-time basis and in the duly designated academic program.

SATISFACTORY PROGRESS

Degree seeking students shall be considered to be making satisfactory progress so long as they remain in good academic standing and enroll in courses required by or allowed for in their academic program.

STUDENT LOAD

The normal semester load for undergraduate students is 16 credit hours. The minimum load to be a full-time student is 12 credit hours. A student who has established superior records may be permitted to enroll for more than 18 hours by the dean of the college in which he/she is majoring. The maximum load is 21 hours.

Six to nine semester hours are considered a normal load for a summer session, less than six being a part-time load and more than ten not permitted. An academic dean's approval of a ten-semester-hour load is required.

Three semester hours constitute the load for the spring intersession, with a four-hour maximum permitted with approval.

The above limitations apply to all enrollments, or combinations of enrollments such as campus classes, extended campus classes, and/or enrollments at other institutions engaged in by the student for the term specified. Credit(s) beyond these maximums specified and approved *will not* be recorded by Eastern Kentucky University. A correspondence course taken while in residence is not counted as a part of the student's load.

CLASS ATTENDANCE

Regular class attendance is expected of all students. Each instructor is responsible for recording absences and for dealing with them in a manner consistent with departmental policy for that course. Since attendance policies vary among departments and for courses within departments, it is essential that students be familiar with the policy announced by each instructor.

A student who presents the instructor with an adequate and documented reason for an absence normally will be given an

opportunity to make up the work missed, if this is feasible. Adequate reasons involve circumstances beyond the student's control, such as personal illness, critical illness or death in the immediate family or participation in an approved University activity. The responsibility for initiating the request to make up class work missed is vested in the student.

SCHEDULE CHANGES

Schedule changes that involve adding courses must be accomplished by the date published in the applicable *Schedule of Classes Bulletin*.

With the advisor's approval, a student may officially drop a course only through the eighth week of classes during a regular semester (or the mid-point of any intersession, summer session, or non-standard course).

Courses dropped during the first week of a regular semester will not appear on the student's grade report or transcript. Courses dropped from the beginning of the second week through their mid-point (eighth week of a full semester) will be assigned a grade of "W," which will appear on the student's grade report and transcript. Students who stop attending after the mid-point of the course will be subject to assignment of the grade of "F."

After the eighth week, or mid-point, students who are victims of extraordinary circumstances beyond their control may petition in writing for an administrative withdrawal from a class. The petition must include the justification and documentation for the drop and should be addressed to the Vice President for Academic Affairs and Research. If approved, the grade of "W" will be assigned, and the instructor of the class for which the student is registered will be notified.

Faculty will inform students, upon their request, of their academic progress prior to the last day that a course may be dropped.

Students who are assigned a grade of "F" in a course due to academic dishonesty will not be permitted to drop the course.

WITHDRAWAL FROM THE UNIVERSITY

Students finding it necessary to withdraw from the University must report to the Registrar Records Office, Coates Administration Building, Room 15, to request an official withdrawal from the University. A withdrawal is granted only through the eighth week of classes during a regular semester (or mid-point of any intersession, summer session or non-standard course). A grade of "W" is assigned. Students who leave the University without an official withdrawal are subject to the grade of "F."

After the eighth week, students who are victims of extraordinary circumstances beyond their control may petition in writing for approval of an administrative withdrawal from the University. The petition should include the justification and documentation for a withdrawal and should be addressed to the Vice President for Academic Affairs and Research. If approved, the grade of "W" will be assigned, and the instructors of the classes for which the student is registered will be informed.

GRADING SYSTEM

1. Letter Grades

Grades, which are represented by letters, are given point values as indicated:

Grade	Meaning	Grade Points Per Semester Hour	Grade	Meaning	Grade Points Per Semester Hour
A	Excellent	4	S	Passing	0
B	Good	3	U	Failure	0
C	Average	2	W	Withdrew	0
D	Poor	1	CR	Credit Only	0
F	Failure	0	NR	Not Reported	0
I	Incomplete	0	IP	In Progress	0

A student's grade point average is obtained by dividing the total number of grade points earned by the total number of semester hours attempted in courses in which grades of "A," "B," "C," "D," "F," or "I" are assigned. To meet graduation requirements of at least a 2.0 grade point average, a student must earn at least twice as many grade points as he or she has hours attempted.

A grade of "I" shall be assigned if in the opinion of the instructor the student has been unable to complete the course on time because of unavoidable conditions. The student must complete such a course within one month after reentering the University. If the student does not complete the course within one month, the "I" grade becomes an "F." If a student fails to reenter the University within one year, the "I" grade becomes an "F."

A grade of "IP" has been approved for those courses in which completion of course requirements might reasonably extend beyond a semester's timeframe.

2. Pass-Fail ("S" - "U") Option

The Pass-Fail option is made available to encourage students to take courses they might otherwise avoid because of lack of background or concern for lowering grade point standings.

Students who have earned 30 or more semester hours of credit with a minimum grade point average of 2.0 may choose the Pass-Fail ("S" - "U") option for a total of 15 hours of free electives. Courses taken under the Pass-Fail option must be exclusive of general education, major, minor, and other course requirements for graduation. Eligible courses must belong to the exclusive category, free electives. Hours attempted under the Pass-Fail option will not be used in the computation of grade-point averages.

Students may choose the Pass-Fail option for no more than one course with a maximum of five credit hours per semester.

Students may select the Pass-Fail option when they register, and they may change to or from the Pass-Fail option up to the date specified in each semester's schedule book.

3. Auditing Courses

A course may be audited, i.e., taken without credit, with the permission of the instructor and the dean of the college involved. Registration procedures and fees are the same as for courses taken for credit. Students who are enrolled for audit must comply with the attendance policy of the instructor or no course entry will be made on the academic record of the student.

DEAN'S LIST

The Dean's List, one of several ways in which the University recognizes students who achieve academic excellence, is published after each regular semester. Eligibility requirements for the Dean's List are as follows:

Hours Attempted with Regular Grading	Minimum G.P.A.
12	3.80
13	3.65
14 or more	3.50

Students taking fewer than 12 semester hours under the regular grading system are not eligible for the Dean's List.

Courses below the 100 level will not be counted in determining eligibility for the Dean's List.

REPEATING COURSES

Students may repeat courses under the following conditions:

The grade which is counted in a course that has been repeated is the last grade awarded, except as noted below.

a. A course repeated elsewhere is not considered to be a repeat of the Eastern course.

b. A course taken "pass-fail" or by examination is not considered to be a repeated course.

A student may enroll in the same course for a third, or subsequent, time only under unusual circumstances and with the written permission of the college dean.

PLANNED CURRICULUM

The planned curriculum is a statement of the student's degree requirements. Students in baccalaureate degree programs who have earned 60 semester hours should see their advisor to execute a planned curriculum. Students in associate degree programs who have earned 15 semester hours should see their advisor to execute a planned curriculum.

MINIMUM SCHOLASTIC STANDARDS

A student will be placed on academic warning or academic probation or will be suspended or dismissed if the cumulative grade point average falls below the acceptable academic standards.

1. Academic Warning - Applies to all students whose cumulative grade point average falls below 2.0. They and their advisors will be so notified, and the students cannot serve as an officer or committee member in any campus organization or carry more than 16 hours a semester or six hours a summer session.

2. Academic Probation - Applies to all students whose cumulative grade point average falls below the values listed below. The students and their advisors will be so notified, and the students cannot serve as an officer or committee member in any campus organization or carry more than 14 hours a semester or six hours a summer session. It is important to note that the student will be continued on academic probation one semester at a time, and during that semester the student must earn a minimum 2.2 grade point average as a *full-time* student or obtain a cumulative grade point average above the Academic Probation level.

Cumulative Hours Attempted	Cumulative GPA
1-16	1.2
17-32	1.4
33-48	1.5
49-64	1.6
65-80	1.7
81-96	1.8
97-112	1.9
112-	2.0

3. Suspension - Students will be suspended from the University for one semester when they fail to meet the above Academic Probation requirements. Immediate readmission may be considered only when failure to achieve the requirements is the result of a catastrophic event.

4. Dismissal - A student deserving suspension for a second time will be dismissed from the University for one year. Readmission after a second dismissal is not normally possible.

READMISSION UNDER SPECIAL CONDITIONS

1. Academic Bankruptcy

Academic bankruptcy is a provision which allows an undergraduate student who has been readmitted through appropriate channels after an interruption of two or more years and has completed one semester with a minimum grade point average of 2.25 with no grade lower than a "C" on 12 or more hours to choose to have none of the previous undergraduate work at Eastern Kentucky University counted toward graduation and toward the computation of his/her grade point average.

To be eligible:

(a) a student must be readmitted to the University after an interruption of enrollment of two or more years;

(b) a student must state, in writing, his/her intention to declare bankruptcy to the Office of the Registrar;

(c) no student may declare bankruptcy from Eastern Kentucky University more than one time;

(d) a student must attain a minimum of a 2.25 g.p.a. with no grade lower than a "C" on 12 or more hours;

(e) all courses and grades will remain on the student's transcript and will be counted in computing graduation with honors.

2. One-Course Enrollment

Students who have been suspended or dismissed may enroll in a single course on a part-time basis during regular semesters and intersessions, or six semester hours during summer sessions in an attempt to bring their grade point average above the Academic Probation level. Readmission to the University would be based upon achieving an overall grade point average above the Academic Probation level or meeting the guidelines noted under suspension or dismissal.

3. Second Opportunity

A student who has been out of college for at least 12 months, who has been pursuing a baccalaureate program, and who wishes to reenroll in an associate degree program may be permitted to reenroll with the provision that grades for previous courses not applicable to the associate degree requirements will not be considered in determining his/her grade point average. If the student subsequently is permitted to enter a baccalaureate program, grades in all courses attempted will be included in the computation of the grade point average for the baccalaureate degree program.

CORRESPONDENCE CREDIT

Up to 32 semester hours of credit may be earned through correspondence courses for a baccalaureate degree and 16 semester hours for an associate degree. A student who wishes to apply correspondence credit toward graduation requirements must meet all course requirements, including the final examination, by the following dates: December graduates by November 1, May graduates by March 1, and August graduates by July 1.

CREDIT BY EXAMINATION

To recognize competence attained through educational experiences other than university instruction, it is possible to earn academic credit by examination in certain undergraduate courses designated by the department. Conditions which apply to credit by examination are:

1. Only admitted students are eligible for credit by examination.

2. Credit earned by examination is recorded without a letter grade; hence, it has no effect upon overall grade point average.

3. A student may attempt to earn credit by examination in a particular course only once.

4. Credit may not be earned by examination in a course which has been failed without the approval of the dean of the college offering the course.

5. A student may not take a course specific College Level Examination Program (CLEP) or departmental examination for credit for a course in an area in which advanced course work has already been completed as determined by the department responsible for the discipline under consideration.

6. General CLEP examinations may not be taken after the completion of 30 semester hours of college credit without special approval from the Dean for Academic Support and Undergraduate Studies or the Graduate School Dean, as appropriate.

7. Special fees are assessed for credit by examination and

must be paid prior to taking an examination.

8. A student may attempt to earn credit through a CLEP exam or an American College Testing Proficiency Examination Program (ACT-PEP) exam either before or after enrolling at Eastern and through departmental exams and National League of Nursing exams after enrolling; however, credit earned will not be officially recorded until the student has completed at least 12 semester hours of credit in regular courses at Eastern with a minimum grade point average of 2.0.

SUBSEQUENT DEGREES

Students having earned one degree may subsequently pursue another, either associate or baccalaureate, by completing all of the requirements of the subsequent degree, including major, supporting, and general education requirements. While some of the hours earned from the earlier degree may count toward the subsequent degree, at least 16 additional approved semester hours are required for an associate degree, and at least 32 additional hours are required for a baccalaureate degree. If approved in advance by the dean, the student may earn up to eight of the additional hours required for an associate degree while working on the prior degree. Again, with advance approval, the student may earn up to 15 of the additional hours required for a baccalaureate degree while working on the prior degree.

Graduation

APPLICATION FOR GRADUATION

Students completing requirements for graduation in December should apply before the end of the preceding April, May and August graduates should apply by the end of the preceding October.

Appropriate ceremonies are held at the close of the fall and spring semester and the summer session. Students who are candidates for degrees are expected to participate in the ceremony.

Students who complete degree programs in December participate in the May commencement exercises. However, they will be mailed their diplomas at the close of the fall semester. A reception is held in early December in honor of those completing degree programs during the fall semester.

HONORS FOR BACCALAUREATE DEGREE GRADUATES

Students are graduated **Summa Cum Laude** who attain a cumulative grade point average of 3.9 or higher on all semester hours transferred to or attempted at Eastern Kentucky University and complete a minimum of 64 semester hours at Eastern Kentucky University.

Students are graduated **Magna Cum Laude** who attain a cumulative grade point average of 3.7 but less than 3.9 on all semester hours transferred to or attempted at Eastern Kentucky University and complete a minimum of 64 hours at Eastern Kentucky University.

Students are graduated **Cum Laude** who attain a cumulative grade point average of 3.5 but less than 3.7 on all semester hours transferred to or attempted at Eastern Kentucky University and complete a minimum of 64 semester hours at Eastern Kentucky University.

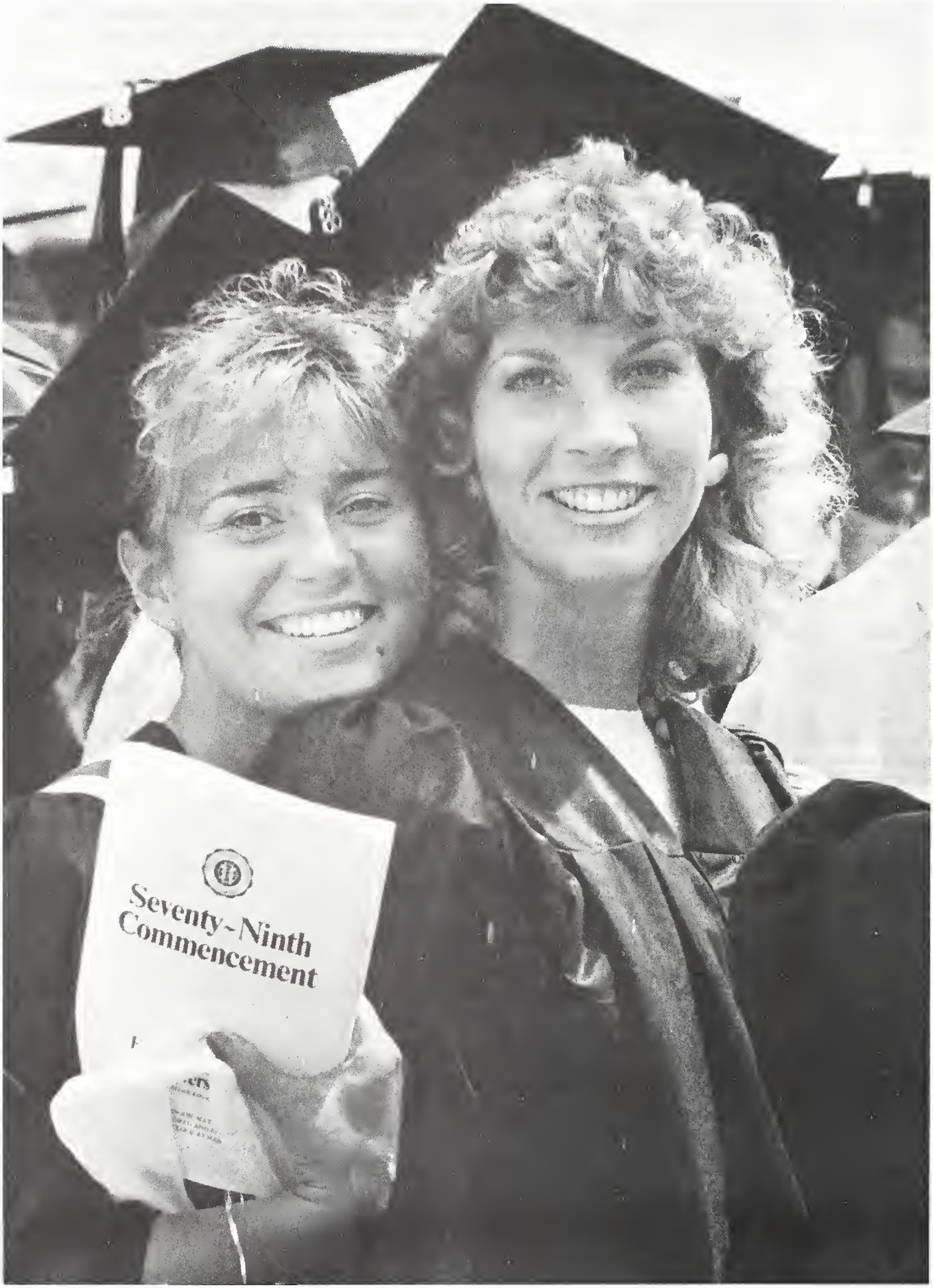
All semester hours transferred to or attempted at Eastern Kentucky University, including those which are subsequently repeated or bankrupted, will be used in calculating grade point averages for the purposes of honors recognition.

HONORS FOR ASSOCIATE DEGREE GRADUATES

Students are graduated **With High Distinction** who attain a cumulative grade point average of 3.7 or higher on all semester hours transferred to or attempted at Eastern Kentucky University and complete a minimum of 32 semester hours at Eastern Kentucky University.

Students are graduated **With Distinction** who attain a cumulative grade point average of 3.5 but less than 3.7 on all semester hours transferred to or attempted at Eastern Kentucky University and complete a minimum of 32 semester hours at Eastern Kentucky University.

All semester hours transferred to or attempted at Eastern Kentucky University, including those which are subsequently repeated or bankrupted, will be used in calculating grade point averages for the purpose of honors recognition.


Seventy-Ninth
Commencement

4 ACADEMIC DIVISIONS

CONTENTS

Course Prefixes 39
Course Numbering 40
Course Descriptions 40
Office of Academic Support and Undergraduate Studies 40
College of Allied Health and Nursing 45
College of Applied Arts and Technology 65
College of Arts and Humanities 89
College of Business 111
College of Education 129
College of Health, Physical Education, Recreation and Athletics 143
College of Law Enforcement 153
College of Natural and Mathematical Sciences 161
College of Social and Behavioral Sciences 185
Graduate School 203
Office of Community College Programs 209
Division of Extended Programs 210

Course Prefixes

AHO 100 Academic Orientation—College of Arts and Humanities
ANO 100 Academic Orientation—College of Allied Health and Nursing
ATO 100 Academic Orientation—College of Applied Arts and Technology
CBO 100 Academic Orientation—College of Business
CHO 100 Academic Orientation—College of Health, Physical Education, Recreation and Athletics
CSO 100 Academic Orientation - College of Social and Behavioral Sciences
EDO 100 Academic Orientation - College of Education
GSO 100 Academic Orientation - Office of Academic Support and Undergraduate Studies
LEO 100 Academic Orientation - College of Law Enforcement
NMO 100 Academic Orientation - College of Natural and Mathematical Sciences

ACC—Accounting
AFS—Aerospace Studies (Air Force ROTC)
AGR—Agriculture
AHN—Allied Health & Nursing
ANT—Anthropology
ART—Art
AST—Astronomy
AVN—Aviation
BIO—Biological Sciences
CAH—Arts and Humanities
CIS—Computer Information Systems
CDF—Child and Family Studies
CHE—Chemistry
CLS—Clinical Laboratory Science (Medical Technology)
CNM—Natural and Mathematical Sciences
COM—Communications
CON—Construction Technology
COR—Correctional Services
CRJ—Criminal Justice
CSB—Social and Behavioral Sciences Interdisciplinary
CSC—Computer Science
EAD—Educational Administration
ECO—Economics
EDF—Educational Studies
EHE—Higher Education
EHS—Environmental Health Science
ELE—Elementary Education
EMC—Emergency Medical Care
EMG—Middle Grade Education
ENG—English
EPC—Counseling
EPY—Educational Psychology
ESE—Secondary Education
FCC—Foreign Culture and Civilization
FIN—Finance
FLS—Foreign Language Studies
FOR—Forensic Science
FSE—Fire and Safety Engineering Technology
FRE—French
GBU—General Business
GEO—Geography
GER—German
GLY—Geology
GRE—Greek
GCS—Interpersonal Skills and Career Counseling
GSL—Learning Skills
GSS—Social Science
HEA—Health Education
HEC—Home Economics
HIS—History
HPR—General Physical Education and Lifetime Activities
HUM—Humanities
IDH—Interior Design and Housing
INS—Insurance
IET—Industrial Education and Technology
ITA—Italian
JOU—Journalism
LAS—Paralegal
LAT—Latin
LIB—Library Science
MAR—Marine Sciences
MAS—Medical Assisting Technology
MAT—Mathematics
MGT—Management
MIL—Military Science
MKT—Marketing
MLT—Medical Laboratory Technician
MRS—Medical Record Science
MUS—Music
NAT—Natural Science
NFA—Nutrition, Foods and Food Adminstration
NSC—Baccalaureate Nursing
NUR—Nursing (Associate)
OAD—Office Administration
OHO—Ornamental Horticulture
OSH—Occupational Safety & Health Technology
OTS—Occupational Therapy
PAD—Police Administration
PHE—Physical Education
PHI—Philosophy
PHY—Physics
PLA—Planning
POL—Political Science
POR—Portuguese
PSY—Psychology

PUB—Public Relations
REC—Recreation and Park Administration
REL—Religion
RST—Real Estate
RTV—Broadcasting
RUS—Russian
SCI—Science
SLP—Security and Loss Prevention
SED—Special Education
SOC—Sociology
STA—Statistics
SWK—Social Work
SPA—Spanish
SPE—Speech
TCF—Textiles, Clothing, and Fashion
THE—Theatre Arts
TNT—Travel and Tourism
TPD—Transportation and Physical Distribution
TRS—Traffic Safety

Course Numbering

Courses are numbered according to the following plan:

000 - 099	are remedial non-degree credit courses
100 - 199	are primarily for freshmen
200 - 299	are primarily for sophomores
300 - 399	are primarily for juniors
400 - 499	are primarily for seniors
500 - 599	are primarily for seniors and are linked with 700 level courses
700 - 899	are for graduate students only

A student may not take a course numbered more than one year above his/her classification level without advisor permission. To take courses numbered 300 and above in the College of Business, a student must have completed 60 semester hours or equivalent or have permission from the Dean of the College. Additional requirements are placed upon students pursuing a Bachelor of Business Administration degree. See the College of Business section for these requirements.

Special approval must be obtained from the dean of the college offering a 500-level course in order for a junior level student to enroll. Students of less than junior status or unapproved juniors cannot be admitted to a 500-level course and will be disenrolled by the Registrar if such an enrollment occurs.

Course Descriptions

The semester hours which may be earned by successful completion of the course are indicated in parentheses immediately following the course title, e.g., (3).

I, II and A used in the description of a course indicate the course will be offered the fall semester, spring semester, and by announcement, respectively.

The description of the course format for courses which include a laboratory experience is found at the end of the course description. A course which consists of three hours of classroom lecture and two hours of laboratory is described as "3 Lec/2 Lab."

Courses approved for general education are noted as such by the phrase "Gen. Ed." and a number following the course description. The number refers to the general education category to which the course may be applied. See General Education Requirements.

THE OFFICE OF ACADEMIC SUPPORT AND UNDERGRADUATE STUDIES

JACK L. CULROSS, Dean

CONTENTS

Career Counseling Courses 40
Academic Advising and Testing 40
Career Development and Placement 41
Cooperative Education 41
International Education 41
Office of the Registrar 42
TRIO Program 42

As its two-part name indicates, the Office of Academic Support and Undergraduate Studies is responsible for two kinds of activities seeking to benefit the entire undergraduate student body. Through the Office, academic support is made available to all students by such means as courses designed to help students interact more effectively with others and make career decisions. The Offices of Academic Advising and Testing, Admissions, Career Development and Placement, and the Registrar, as well as the federally funded TRIO Programs, provide support services at various stages of students' careers. Finally, the office attempts to foster the intellectual growth and development of all students through its general education program, as well as through its programs in cooperative education and international education.

GCS—Interpersonal Skills & Career Counseling

198 Interpersonal Effectiveness Seminar. (1) I, II. The course is designed to assist students in gaining confidence in themselves and in relating more effectively with others. Attention is given to assertiveness, values clarification, and effective life management.

199 Career Counseling Seminar. (1) I, II. The eight-week course is designed to assist students in making wise career decisions. Course content is designed to develop self-awareness, values clarification, and awareness of career alternatives. Experiences are provided to develop decision-making skills. A strong emphasis is given to exploring the world of work relative to job traits, demands, rewards, and future trends.

GSO—Academic Orientation

100 Academic Orientation. (1) I, II. An orientation to university academic life and career planning and preparation. Topics include university policies and procedures, program requirements, career opportunities and introductory study skills.

101 Cultural Orientation for International Students. (1) A. An orientation to American customs and the American education system for undergraduate international students attending an American university for the first time. Students are also required to take GSO 100.

Academic Advising and Testing

The Office of Academic Advising and Testing is responsible for providing administrative support to and coordination of the University's undergraduate advising system. Every Eastern undergraduate is assigned a faculty advisor. Selected departmental faculty serve as advisors to students with declared majors; other

faculty serve as advisors for undeclared students.

The office is also responsible for the administration of the developmental testing program in mathematics and reading. The University's developmental program requires testing for all full-time students whose ACT scores are below established cutoffs.

In conjunction with the Office of Student Affairs, the office is responsible for the Freshman Summer Orientation Program. Some 2,000 freshmen are advised and registered each summer through this program.

Career Development and Placement (CD&P)

The staff of Career Development and Placement assists all students and alumni who are seeking employment and/or clarifying their career direction. Services are provided through individual appointments as well as group presentations.

For students seeking career information, CD&P has both printed material about career fields and about employers within those fields as well as the *Alumni Career Network* which helps students access graduates who have experience working in the area of interest. The office has available the Guidance Information System (GIS), a computerized inventory of occupational fields, undergraduate and graduate school information, and sources of financial aid.

To help students who are entering the employment market (full time, part-time, or summer) CD&P offers seminars and individual assistance on job search skills. This would include the development of job campaign strategy, preparation of the resume and other job campaign correspondence, and the improvement of interview skills.

Students are made aware of job opportunities sent directly to CD&P through a Job Vacancy Bulletin that is produced twice monthly and is available in 319 Jones. Students may also access thousands of additional positions that come to CD&P via an exchange program from other colleges and universities as well as other specialized job listings.

On campus interviews are conducted throughout the year to provide job opportunities with participating employers.

Information on CD&P activities is available through the *FYI*, departmental bulletin boards, and other campus media.

Cooperative Education

Cooperative education provides the student with an opportunity to blend theory with practice resulting in a balanced education. Learning within the classroom is combined with practical on-the-job training in business, industry, and/or government.

The determination of eligibility for participation in the cooperative education program is primarily a function of the department in which the student is majoring. Prior to enrolling in cooperative education, an incoming student should normally have completed 30 semester hours of credit. Transfer students should have completed one semester at Eastern before applying for cooperative education. All students must have a 2.0 grade point average when applying for cooperative education.

Acceptance of a student into the program is also contingent upon the location of a suitable training site and an agreement with the employer to hire. The employer will be provided with a resume of the student's scholastic, experiential, and personal data, and the employer will be provided the opportunity to interview each applicant.

The co-op student will normally be employed full-time for a period of one semester following the employer's schedule. When employed for a full semester, the student may earn a maximum of eight academic credits. If schedules can be arranged, a student may work full time for one-half semester and earn four academic credits. If a department uses the parallel track (1/2 day on campus, 1/2 day on the job), four academic credits may be earned. During the summer period, cooperative education experience may be arranged for varying amounts of credit. This credit will be arranged by the academic college or department involved. The type of employment and the total hours of employment are determining factors in assigning co-op credit. The University requires a minimum of 80 hours of employment for each semester hour of academic credit. The salary for each position is negotiable but must fall within State and Federal wage guidelines.

Academic credit will be awarded for cooperative education only when the student is enrolled in the University and in the cooperative education program. Credit may not be awarded for past experiences or for anticipated future experiences. A maximum of eight semester hours may be applied toward meeting graduation requirements for the associate degree, and a total of 16 hours toward the bachelor's degree. Cooperative education credit for students pursuing a second undergraduate degree will be determined by the academic department.

The student will be assigned an immediate or field supervisor by the employer to provide directions and coordination on the job. The field supervisor will also be responsible for providing periodic and final evaluation reports on the student and forwarding this information to the co-op director. Copies of these reports will be forwarded to the academic advisor.

Although the employer (field supervisor) will appraise the performance of each student, the grade will be assigned by the department in accordance with established criteria and through a comprehensive evaluation.

To maximize the benefit to the student, it is assumed that the employer will make every attempt to provide the student with a broad exposure of experiences related to the student's goals and the nature of the training site. The student should, however, realize that he/she is a full-time productive employee. The participating employer, the student, and the University will each sign a letter of agreement spelling out the duties and responsibilities of each party.

The same student will in most instances return to the same location for each cooperative education experience. A student may, however, occasionally be allowed to work for several employers in varying situations as long as the work experience is related to the student's career goals and those of the program. For additional information, contact the Director of Cooperative Education at (606) 622-1296.

International Education and Foreign Student Advising

There is a growing awareness of the need for greater international and intercultural understanding. The University provides assistance and attempts to foster a greater commitment and involvement in international education throughout the institution.

Each year Eastern Kentucky University has over 100 foreign students studying at both the undergraduate and graduate levels. These students represent approximately 40 nations. The Director of International Education and Foreign Student Advisor serves as the designated University official to assist all foreign students with their legal requirements and their relations with the United States Office of Immigration and Naturalization Services and other official agencies. The Director may also advise and assist foreign students with other needs as they arise.

Some intercultural activities and services provided by the Division of International Education include an orientation for new students, a host family program, a monthly newsletter, a monthly International Coffee Hour, a directory of international students,

international student organizations, culture festivals, an International Film Series, an International Speakers' Bureau, and the *EKU International Magazine* published twice each year. The division also awards scholarships to international students each semester.

The Division of International Education also promotes the Eastern Kentucky Study Abroad programs for American students and faculty. Current information on international study, travel, and exchange programs is available.

For more information, contact the Director of International Education, Eastern Kentucky University, 140 Keith Building, Richmond, Kentucky 40475-0947, or call (606) 622-1478.

Office of the Registrar

The Office of the Registrar is responsible for services which assist the students, alumni, and University personnel with the preparation of the schedule of classes, the enrollment of students, the preparation, maintenance, security and delivery of the academic records of the University, the preparation of enrollment and athletic reports as required, the preparation of the commencement exercises dealing with diploma delivery, the academic honors program, the dean's award, and the administration of the minimum scholastic standards policy of the University.

Continuing students should report to the Office of the Registrar for the following assistance: demographic data forms; schedule books, grade reports; transcripts; completion of insurance, governmental, and bank loan forms; class standing; military credit evaluation; name/address changes; withdrawals; and information concerning the academic standards and academic honors programs.

Special Programs for Disadvantaged Students (TRIO)

The following programs are made possible through special grants to Eastern Kentucky University from the United States Department of Education:

EDUCATIONAL TALENT SEARCH PROGRAM

M. B. Thompson, Director; Cady.

The Educational Talent Search Program is funded by the United States Department of Education. The goal of the program is to assist participants from designated Central Kentucky counties to continue in, and graduate from, secondary schools and to then enroll in postsecondary educational programs. Educational Talent Search assists students who want to attend postsecondary institutions by offering such services as career counseling, educational counseling, and financial aid information and assistance. Educational Talent Search also offers assistance to participants with special needs by identifying support services for those students. The Educational Talent Search Program offers assistance to high school dropouts through referrals to GED programs and local high schools. Postsecondary stop-outs can also receive program services. All services are free of charge. For more detailed information, contact the Educational Talent Search Program; 418 Begley Building, Richmond, Kentucky 40475-0934; phone (606) 622-5425.

STUDENT SUPPORT SERVICES PROGRAM

N. Hindman, Director; Cranmer, K. Williams.

The Student Support Services Program provides comprehensive continuing academic assistance for Eastern students with economic and/or academic disadvantages or physical handicaps that may interfere with their efforts to succeed in college. Centrally located in the historic University Building (Rooms 1 and 5), Student Support Services offers individual supervised peer tutoring in a variety of academic subjects and skills; professional and peer counseling for academic, personal, vocational concerns; individualized academic advising and an expanded GSO 100 Academic Orientation course for the program's undeclared "NOVA" advisees; and informed referral services. Staff members also conduct an extensive tutor and peer helper training program and special evening workshops on such topics as listening and note-taking, time management and study skills, test taking techniques, financial assistance, and career planning. Both professional and student staff members are available to help students from 8 a.m. to 4:30 p.m. weekdays, or at other hours by arrangement during the fall and spring semesters. Students seeking assistance can determine their eligibility and apply for services at the program offices or call (606) 622-1047.

UPWARD BOUND PROGRAM

C. Tanara, Director; Hubbard, Hughes.

The Upward Bound Program is an educational program serving 100 students from ten high schools in Casey, Estill, Garrard, Jackson, Lee, Lincoln, Madison, Powell, and Wolfe counties. It is designed to improve academic skills and generate motivation necessary for success in postsecondary education. Students are eligible who are first-generation (neither parent has a college degree) or who come from a low-income family. It is a three year program admitting students during their sophomore and junior years of high school. Tutoring sessions and on-campus meetings are held during the school year. During the summer a six week dormitory residential program includes academic classes, cultural and educational trips, plus social and recreational activities. Interested students from the above counties should contact their high school guidance counselor or write to the Director, Upward Bound Program, 500 Begley Building, Eastern Kentucky University, Richmond, Kentucky 40475-0934, or call (606) 622-1080.

COLLEGE OF ALLIED HEALTH AND NURSING

DAVID D. GALE, Dean

CONTENTS

Admission Requirements 45
Pre-Professional Allied Health Programs 47
Emergency Medical Care 50
Environment Health Science 47
Medical Assisting Technology 52
Medical Record Administration 49
Medical Record Technology 50
Medical Technology 53
Medical Laboratory Technician 54
Baccalaureate Nursing 55
Associate Degree Nursing 57
Occupational Therapy 58
Interdisciplinary Studies 61

The College of Allied Health and Nursing endorses and functions within the philosophy of Eastern Kentucky University.

Recent advances in the areas of science, technology, and medicine have expanded the need for health manpower at state, regional and national levels. Consequently, an extensive array of health programs have been developed. The college offers educational opportunities in a variety of disciplines which are concerned with the maintenance and promotion of health.

PHILOSOPHY AND GOALS

The faculty of the college ascribes to the philosophy that each individual has the right to define a set of values and determine a commitment to them. Further, the identification of human values evolves through learning which enables the individual to search for knowledge and truth. The faculty acknowledges the individual's right to meet basic human needs, including the right to develop full potential.

Traditionally, health care was rendered primarily to the acutely ill in institutional settings. In the future, the health care focus will be disease prevention and health maintenance. Such a focus demands that practitioners be educated on a broad base which is built upon the biological, social, and physical sciences. Further, learners must be allowed to practice skills in a variety of health care systems.

The curricula of various programs are comprised of a series of planned educational experiences designed to facilitate learning and to lead to the achievement of clearly defined educational objectives. The learning of a curriculum enables students to acquire a body of knowledge, become proficient in skills, and gain appreciation for the practice of a chosen health care profession. Education as viewed by the faculty is a cumulative and ongoing process which results in increasing cognitive, psychomotor, and affective capabilities for those who pursue it.

OBJECTIVES OF THE COLLEGE

1. To provide opportunities, instruction, and guided experiences by which students may gain the basic knowledge and attain skills essential to the practice of their respective profession.
2. To provide career guidance that will attract students of high quality who will find a rewarding career in the health care field.
3. To investigate societal needs for health care and patterns of effective delivery.
4. To assist students to prepare for entrance and successfully complete a health care program.
5. To determine how additional or better-educated manpower may improve the quality and/or quantity of health care.
6. To encourage students to make meaningful contributions towards the promotion of better health and prevention of illness.
7. To encourage development of learning experiences that will enhance the team concept in health care and the principles of lifelong learning.
8. To provide for career mobility and continuing education within the various health professions.
9. To provide information and consultation to the community and the professions for planning and development.
10. To assist the student in recognizing the need for accountability to the various "publics" within the health care system.

ADMISSION REQUIREMENTS

The College of Allied Health and Nursing accepts applications from all persons who are qualified for admission to the University. All applicants must provide evidence of their ability to meet the academic standards established by the various programs. Due to enrollment limitations of programs, applications should be made early. Applications received after the deadline of a program will be processed and admissions recommended on a space available basis. Specific entrance requirements for each program are shown in the departmental sections of this Catalog.

GENERAL ADMISSION POLICIES

1. Students must follow the general admission policies of the University prior to being considered for enrollment in programs within the College of Allied Health and Nursing. Specific admission criteria are provided under each of the Allied Health and Nursing programs. The student is responsible for obtaining information for the application process including department deadlines.
2. Transfer work must be from an accredited institution and with a minimum grade of "C" in major and supporting courses. The applicant must be eligible to return to the last institution attended.
3. Work taken more than eight years previously must be approved by the Dean of the College.
4. In the event that a student is not accepted for a program, the student who wishes to re-apply must submit a new application and redated materials which will be considered when a new class is accepted.

Students desiring to complete collegiate work required for admission to professional programs may complete this work at any accredited college or university. Students are urged to carefully plan their course of study to include the disciplines and subject areas described in the individual programs.

Students who have not reached a decision on the specific health career in which they wish to enroll may obtain counseling through the office of the Dean. Students will be provided with guidance by individual program directors, as well as the Admissions Coordinator of the College of Allied Health and Nursing.

Student Agreement Statement

All students enrolled in the College of Allied Health and Nursing are required to sign an agreement statement which encompasses professional expectations related to the program. This statement is to be signed when the student enters courses in the major.

Student Liability (Malpractice) Insurance

All students whose programs require participation in clinical learning experiences must purchase and maintain Liability Insurance during the entire clinical experience. Proof of such insurance coverage must be furnished to the department before the clinical experience is scheduled to begin. The University has arranged for appropriate insurance coverage at a modest cost to the student. Further information may be obtained at the student's major departmental office.

CLINICAL FACILITIES

The University maintains formal contracts with many health care agencies located throughout Kentucky. The majority of these contracts are within the Blue Grass region. Almost every speciality within the entire health care spectrum is available for use in providing high quality experiences for students enrolled in the programs. A list of co-operating agencies is available through the office of the Dean.

DEGREE AND CERTIFICATE REQUIREMENTS

The students are responsible for selection and registration for courses needed for reasonable progress toward their degree or certificate which will enable the students to satisfy requirements for graduation. Students may re-enroll in the same course for a subsequent time only under unusual circumstances and with the written permission of the Dean of the College of Allied Health and Nursing. Students who interrupt their program sequence must obtain approval of the Admissions Committee of the Department prior to re-entry.

The Master of Arts in Education degree with an emphasis in Allied Health is offered in the College of Education with the cooperation of the College of Allied Health and Nursing. The major emphasis of this program is for students who wish to teach in the various allied health disciplines. A core of courses is designed to meet the needs of the students, depending on their clinical backgrounds. Complete requirements of the degree may be found in the College of Education section of the Graduate Catalog.

BACHELOR OF SCIENCE DEGREE

The College of Allied Health and Nursing offers the Bachelor of Science degree in environmental health science, medical record administration, medical technology (basic program, and 3 + 1 program), nursing, and occupational therapy.

ASSOCIATE OF SCIENCE DEGREE

The College of Allied Health and Nursing offers the Associate of Science degree in emergency medical care, medical record technology, medical assisting technology, medical laboratory technology, and nursing.

PRE-BACCALAUREATE AND PRE-ASSOCIATE DEGREE NURSING

Students who are accepted by Eastern Kentucky University Admissions office and declare their major as baccalaureate nursing are admitted as pre-baccalaureate nursing students. Students who are accepted by the Eastern Kentucky University Admissions office and declare their major as Associate Degree Nursing and are not accepted in the program for the next fall or spring class may enroll in pre-associate degree nursing. These students will be assigned an advisor and will be considered for admission to the program when they meet the admission criteria. The number of admissions to the baccalaureate and the associate degree nursing program (two classes annually in both programs) is limited, and preference will be given to the most highly qualified candidates.

CERTIFICATES

Students completing the requirements of Advanced Emergency Medical Care will be awarded a certificate of completion by Eastern Kentucky University. This should not be confused with the state certification of licensure.

DEGREE REQUIREMENTS

General University requirements described on page 31 in Part Three of this Catalog, as well as specific course requirements set forth in the description of curricula, must be met by students completing associate and baccalaureate programs administered by the College of Allied Health and Nursing. See programs under each department for major and minor requirements. All freshmen in the College of Allied Health and Nursing must enroll in the Academic Orientation course (ANO 100).

In addition to the general University requirements, specific degree requirements for the College of Allied Health and Nursing are as follows.

Baccalaureate Degree

1. A minimum grade point average of 2.0 in each CLS, EHS, MRS, NSC, OTS course and selected AHN courses is required.
2. Hours earned through challenge exams do not count toward the 30 required residence hours.
3. HEA 281 is not required in the general education requirements for allied health and nursing students.
4. Eight hours restricted electives are not required for medical record administration students.

Associate Degree

1. A minimum grade point average of 2.0 in each EMC, MAS, MLT, MRS, NUR course and selected AHN courses is required.
2. Hours earned through challenge exams do not count toward the 15 required residence hours.
3. A minimum of 16 hours in courses approved for general education is required for all associate degree programs. These hours include ENG 101 and 102, or their equivalent, plus ten additional hours. The 16 hours must represent courses from at least three of the five general education areas (see Part Three of this Catalog), with no more than nine hours from any one area. In addition, an orientation course (ANO 100) is required for all associate degree programs. Four hours of restricted electives are required for Emergency Medical Care majors.

ANO—Allied Health and Nursing Orientation

100 Academic Orientation. (1) A. Designed to orient the student to university academic life and afford background for career choice and preparation. Included are University regulations and calendar, catalog details, registration and preregistration, various career opportunities, and program requirements. Not open to students with more than 30 semester hours.

Courses numbered in the 700 series are open to seniors and graduate students who meet course and program prerequisites. Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduates. Courses numbered in the 800 series are open only to graduate students.

PLANNED CURRICULUM

Upon completion of 60 hours, a planned curriculum (which specifies the remaining graduation requirements) must be initiated by baccalaureate degree students by consulting the faculty advisor in the major department. Associate degree students may request

a planned curriculum after completion of 15 hours. Any subsequent change in the planned curriculum is proposed on forms available in the office of the advisor.

REQUIREMENTS FOR GRADUATION

Students file an application for graduation in the Dean's office. They should apply by the end of April if they will complete requirements in December, and by the end of October if they will graduate in May or August. It is the students' responsibility to plan their program and to register for the proper courses so that they will have satisfied all requirements at the time they expect to graduate.

PRE-PROFESSIONAL ALLIED HEALTH PROGRAMS

Students interested in a baccalaureate degree allied health program, such as physical therapy and dental hygiene, may take two years of pre-professional courses before transferring to another institution at the professional level. It is strongly recommended that out-of-state students communicate with colleges in their own state. Students, at the time of advisement, interested in a specific allied health program should provide a copy of the curriculum outline for the program to which they plan to transfer. An advisor will assist in the development of a specific transfer program. The 60 hours of course work listed below will meet the requirements for freshmen and sophomores at most institutions.

Two semesters of English Composition	6 hours
Two semesters of Psychology	6 hours
Two semesters of General Chemistry with lab	9 hours
Two semesters of Physics with lab (Physical Therapy)	10 hours
Two semesters of General Zoology or Biology with lab	8 hours
General Education courses (includes 6 hours of history and 6 hours of math)	12 hours
Electives	12-22 hours
Total pre-professional courses	60 hours

DIVISION OF CONTINUING EDUCATION

J. Collins, Director

The Division of Continuing Education in the College of Allied Health and Nursing serves health professionals whose service-action careers demand educational activities to be ongoing and open ended. Programs for these professionals are specifically tailored to meet expressed job-related needs. Careful studies are continually conducted so that a wide variety of programs can be offered each year; the objectives of each offering are to increase the professional's depth in a specialized area of subject matter and to develop an understanding of ways to apply this knowledge more effectively to serve health related needs in human services.

Offerings are designed for single disciplines only, for interdisciplinary participation, and can, on occasion, include the general public for certain areas of interest. Programs are held off campus and on campus and include workshops, seminars, lectures, conferences, and short term courses for non-credit. Program faculty are from University academic departments as well as specialists in health or health-related fields from the off campus population.

Continuing Education Units, through the Division of Special Programs, Eastern Kentucky University, are awarded for successful completion of program offerings. For information contact Division of Continuing Education and Special Programs, College of Allied Health and Nursing, Eastern Kentucky University, Richmond, Kentucky 40475-0956, (606) 622-2143.

INDEPENDENT STUDY LABORATORY

The Independent Study Laboratory is a learning resource center and audio-visual library for the College of Allied Health and Nursing. It provides support to the instructional needs of the faculty through the use of audio-visual materials, equipment, and other services. The primary purpose of the Independent Study Laboratory is to provide the student the opportunity to reinforce previous learning of clinical/classroom content through independent review of audio-visual materials and study of other available resources such as anatomical models, charts, reference books, and periodicals. The Independent Study Laboratory has over 1,300 program titles. It is located in the Rowett Building, Room 310.

DEPARTMENT OF
ENVIRONMENTAL HEALTH SCIENCE

O. Blackwell, Chair; McLean, Ewers.

The curriculum in Environmental Health Science focuses on the relation of the physical, chemical, and biological factors which affect human health and well-being. Students are prepared at the bachelor's level for a variety of professional careers in environmental health. Employment opportunities are found in the areas of hazardous materials management, industrial health and safety, disease vector control, environmental program planning, and other areas. Employment may be in public health agencies, environmental protection type agencies, government, private industry, insurance companies, consulting firms, and education. The student earns a Bachelor of Science degree in environmental health science. The program is fully accredited by the National Council for the Accreditation of Environmental Health Curriculum—the National Environmental Health Association. The Department also offers a minor in environmental health science. Students majoring or minoring in environmental health science must achieve a minimum grade of "C" in all EHS courses.

OBJECTIVES

The environmental health science graduate is prepared to:

1. Operate and administer programs in the various branches of environmental health including disease vector control, industrial hygiene, housing, water, wastewater, radiation protection, food service sanitation, solid waste management, and air pollution.
2. Recommend appropriate environmental health programs and courses of action designed to meet the requirements in various industries, businesses, and agencies.
3. Evaluate these environmental health programs with respect to the prevention of disease, injury, and preservation of health.
4. Continue his/her education at the graduate levels in both the academic and professional setting.

Environmental Health Science
AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **45 hours**
EHS 280, 300, 335, 370, 380, 425, 460, and 463; plus 15 hours selected from EHS 290, 310, 330, 340, 349, 360, 410, 440, 450, or 498.

Supporting Course Requirements ..... **33 hours**
BIO 131 or 141; BIO 211, BIO 320, CHE 111, 112, HEA 290, MAT 107 or 109; PHY 101, and POL 565.

General Education Requirements ..... **43 hours**
Standard General Education program, excluding course

categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University Requirements.

Free Electives ..... **7 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN ENVIRONMENTAL HEALTH SCIENCE

A student may minor in Environmental Health Science by completing, with a grade of "C" or better, EHS 280, 300, and 370 and an additional nine hours selected from EHS courses with approval of student's advisor for a minimum of 19 hours.

Course Descriptions

EHS—Environmental Health Science

280 Introduction to Environmental Health Science. (3) I, II. Formerly EHS 320. Elements of environmental health, including water and waste treatment, air pollution, food sanitation, vector control, solid waste disposal, and general sanitation problems.

290 Seminar in Environmental Health. (2) II. Formerly EHS 470. Prerequisite: instructor approval. Discussion and analysis of literature related to selected current environmental health problems.

300 Water Supplies and Waste Disposal. (4) II. Formerly EHS 480. Drinking water safety in both individual private systems and larger public systems. Maintenance of raw water quality. Water purification, delivery systems, and surveillance. Techniques for collection, treatment, and disposal of sewerage.

310 Ship and Aircraft Sanitation. (3) A. Prerequisites: EHS 280, 300, 380, or instructor approval. Covers environmental concerns on ships that may adversely effect the health of crew and/or passengers. Concerns that are unique to aircraft will be covered. The relationship of these to international health will be discussed.

330 Environmental Control of Disease Vectors. (3) I. The identification and control of arthropods, arachnids, rodents, and other vectors of disease. Safe use of pesticides will also be discussed.

335 Hazardous and Solid Waste Management. (3) I. Prerequisites: CHE 111, EHS 280, or instructor approval. A study of the environmental health and safety aspects of solid waste treatment and disposal, including waste collection practices, treatment processes, toxic and hazardous wastes, disposal techniques, and regulations governing waste management.

340 Industrial Hygiene. (3) II. Formerly EHS 325. Prerequisites: BIO 131 or 141; CHE 111, EHS 280, or instructor approval. Importance of protecting the work environment. Emphasizes the methods and techniques of maintaining health and safety in industry and agriculture.

349 Cooperative-Environmental Health Science. (1-8) I, II, A. Prerequisite: departmental chair approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. A minimum of 80 hours work required for academic credit.

360 Air Pollution and Health. (4) I. Formerly EHS 400. Prerequisites: CHE 111, CHE 112, PHY 101, or instructor approval. A study of the health effects of air pollution, including a discussion of the primary sources of airborne pollutants, the control of air pollution, state and national standards.

370 Risk Assessment and Environmental Epidemiology. (3) I. Prerequisites: MAT 105 (or higher math), EHS 280, or instructor approval. The use of data to define the health effects of exposed individuals or populations to hazardous materials and situations.

380 Food Hygiene. (3) I, II. Prerequisites: BIO 320, CHE 112, and EHS 280, or instructor approval. A study of the health effects of food and milkborne disease, including a discussion of milk and foods as vehicles of infection, essentials of milk and food quality, standards for dairy, milk, and food service equipment.

410 Radiological Health. (3) II. A study of health effects of ionizing and non-ionizing radiation, including environmental radiation sources, detection, measurement, control, and safety devices.

425 Environmental Health Program Planning. (3) II. Administration, planning, implementation, and evaluation of environmental health programs. Discussion of resources and promotional techniques, and the role of the environmental health specialist dealing with community, state, and regional agencies.

440 Environmental and Industrial Toxicology. (3) I. A study of the extent and significance of toxic agents in man's environment, and the physical, chemical, and biological processes which determine their behavior, fate, and effects on human health.

450 Environmental Monitoring Instrumentation. (3) II. Formerly EHS 490. Prerequisites: CHE 112, EHS 300, and 335, or instructor approval. Instruction in trace analysis of environmental samples (air, water, hazardous wastes, food) utilizing gas chromatography, atomic absorption, and mass spectrometry. 2 Lec/3 Lab.

460 Housing and Institutional Environments. (3) II. Prerequisites: EHS 280, 300, and 370, or instructor approval. Discusses the requirements for healthful housing—means of attaining and maintaining these requirements. Reviews environmental health concerns relating to day-care centers, schools, hospitals, nursing homes, and prisons. Describes surveillance. evaluative, and corrective methods.

463 Field Experience in Environmental Health. (8) I, II, A. Prerequisites: EHS 300, 335, 380, and department chair approval. Supervised and directed field experience in local, state, regional environmental health agencies, or with appropriate industries. Eight to twelve weeks full-time required depending on work place.

498 Independent Study in Environmental Health. (1-3) I, II, A. Prerequisite: Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Opportunity for individual work on an environmental health research problem in a supervised situation. May be retaken to a maximum of six hours credit.

DEPARTMENT OF
MEDICAL RECORD SCIENCE

F. Hindsman, Chair; Andersen, Caldwell, Huston, Jackson.

The Medical Record Science Department offers two methods of progression toward a Bachelor of Science degree in medical record administration.

1. **Two-Plus-Two.** The student completes the two-year Associate of Science degree requirements for medical record technology before taking the additional course requirements for the Bachelor of Science degree in medical record administration.
2. **Four-year.** The student bypasses the Associate of Science degree and completes only those courses required for a Bachelor of Science degree in medical record administration.

MEDICAL RECORD ADMINISTRATION PROGRAM

The Medical Record Administration Program is accredited by the Committee on Allied Health Education and Accreditation of the American Medical Association in collaboration with the Council on Education of the American Medical Record Association. The graduate is eligible to write the national qualifying examination to become a Registered Record Administrator (RRA).

An RRA serves in an administrative capacity by managing health information systems in hospitals, skilled and intermediate care facilities, comprehensive health care centers, mental health centers, public health departments, governmental health agencies, veterinary institutions, prisons, and any other institutions or agencies that handle records of health care.

DIRECTED PRACTICE AND MANAGEMENT PRACTICUM

During the technical phase of the curriculum, the student is required to spend approximately eight weeks at a hospital or other health care facility for supervised practice in the technical aspects of medical records. During the professional phase of the curriculum, the student is assigned for approximately eight weeks to two health care facilities for observation and practice of the management aspects of medical record practice.

The University assumes full responsibility for making assignments to directed practice sites. The student is responsible for

living expenses and travel involved in relocation for these assignments.

ADMISSION/PROGRESSION CRITERIA

The Medical Record Science Department utilizes the open admission policy of the University for students taking courses offered during the first semester of the program. In order to continue in the program and to enroll in MRS courses, the student must meet the following criteria:

1. Maintain an overall GPA of 2.5 on a 4.0 scale.
2. Complete all major and support courses with a minimum grade of "C" after a maximum of two attempts.

For transfer students and students who have changed majors within the University, GPA requirements are applied to the major and support courses accepted toward the declared major.

Major and support courses in the curriculum are those courses with the following prefixes: MRS, AHN, BIO, CHE, CIS, MGT, OAD, STA, and PSY.

Credits of students who transfer from another accredited educational institution will be evaluated against the current curriculum. Equivalent courses taken within another accredited medical record program may be accepted if a minimum grade of "C" was earned. Courses taken within a non-accredited program must be validated by a challenge examination before credit is awarded. An Accredited Record Technician (ART) may receive college credit for all AHN and MRS courses in the medical record technology curriculum by passing the challenge exam for each of these courses. A maximum of four semester hours of credit may be earned by challenging MRS courses in the medical record administration curriculum. A student who is not an ART may earn credit for all AHN courses and two MRS courses in the medical record technology curriculum by passing the challenge exam for these courses.

A student who is not allowed to continue in the program may appeal the decision by presenting the reasons in writing to the Chair of the Admissions and Progression Committee. The student may appeal this committee's decision to the College Admissions Committee by submitting a written request to the Dean of the College of Allied Health and Nursing. The decision of this committee shall be final.

PROGRAM OBJECTIVES

The Medical Record Administration graduate is prepared to:

1. Manage a health information system to meet the needs of the institution;
2. Provide leadership, direction, and structure to effectively supervise, counsel, and evaluate the human resources;
3. Conduct in-service training programs for subordinates and other medical record personnel;
4. Establish procedures and design systems for collecting and processing health information on a manual or computerized basis;
5. Develop and implement policies controlling the release of confidential information;
6. Initiate research and prepare administrative and clinical statistical reports;
7. Provide the medical staff with data needed to evaluate the quality of care;
8. Develop and implement quality assurance/risk management procedures; and
9. Provide consultant services to various types of health care information centers.

FINANCIAL AID

In addition to the regular means of financial aid offered through the Financial Aid office of Eastern Kentucky University, a student entering the final year of study in either medical record administration or medical record technology has an additional option of applying to the Foundation of Record Education of the American Medical Record Association for a low-interest loan. Information is available in the Department of Medical Record Science.

Medical Record Administration

AREA MAJOR (BACHELOR OF SCIENCE) TWO-PLUS-TWO PROGRAM

Major Requirements . . . . . 66 hours
AHN 100, 200, 201, 450, MRS 201, 202, 203, 204, 305, 306, 307, 308, 309, 312, 320, 370, 401, 404, 405, 406, 407, 409, 412, and 414.

Supporting Course Requirements . . . . . 37 hours
BIO 171, 273, 301, 378, CHE 105, CIS 212, MGT 300, 320, OAD 201, 280, STA 208, 209, 210, and PSY 202.

General Education Requirements . . . . . 35 hours
Standard General Education program, excluding course categories 13, 14, 15, 16, and 20. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements . . . . . 138 hours

FOUR YEAR PROGRAM

In addition to the two-plus-two program, a four-year baccalaureate program is offered which differs from the above as follows:

OAD 280 and STA 208 are not required.

Total Curriculum Requirements . . . . . 134 hours

MEDICAL RECORD TECHNOLOGY PROGRAM

The medical record technology curriculum is designed to prepare students for employment in medical record departments in various types of health care facilities.

This two-year program is accredited by the Committee on Allied Health Education and Accreditation of the American Medical Association in collaboration with the Council on Education of the American Medical Record Association. The graduate is eligible to write the national qualifying examination to become an Accredited Record Technician (ART).

An ART serves as a specially trained assistant to Registered Record Administrators, carrying out the many technical activities within a medical record department of health care facilities and agencies.

Admission and progression criteria are the same as those described for the Medical Record Administration Program.

Financial aid through the Foundation of Record Education also is available.

PROGRAM OBJECTIVES

The Medical Record Technology graduate is prepared to:

1. Organize, analyze, and evaluate health records according to established standards;
2. Compile and utilize various types of administrative and health statistics;
3. Code symptoms, diseases, procedures, and other therapies according to recognized classification systems;
4. Maintain and utilize a variety of medical record indexes, storage and retrieval systems;
5. Transcribe medical reports;
6. Prepare health data input for computer processing, storage, and retrieval;
7. Take medical records to court and maintain the flow of health information to all departments in the health care facility;
8. Maintain special registries, such as cancer, trauma, and stroke;
9. Abstract and retrieve health information used for evaluation

and planning in health-related programs; and

10. Implement policies controlling the release of confidential information.

Medical Record Technology

ASSOCIATE OF SCIENCE

Major Requirements ..... **36 hours**
AHN 100, 200, 201, MRS 201, 202, 203, 204, 305, 306, 307, 308, 309, and 312.

Supporting Course Requirements ..... **14 hours**
BIO 171*, 301*, 378*, CIS 212, OAD 280, and STA 208.

General Education Requirements ..... **17 hours**
ANO 100*, HEA 281*, HPR 180*, 181*, three hours general education humanities*, three hours general education social studies*, and six hours English composition*.

Total Curriculum Requirements ..... **67 hours**

Course Descriptions

MRS—Medical Record Science

201 Introduction to Medical Record Science. (3) I, II. Formerly HRS 201. The development of the medical record profession and practice in techniques relative to hospital patient admission practices, completion of birth and death certificates, and medical record filing and retention methods.

202 Medical Word Processing. (3) I, II. Formerly HRS 202. Prerequisites: AHN 200, 201, BIO 171, MRS 201, and minimum typing proficiency 45 wpm. Prerequisite or Corequisite: BIO 301. Transcription of medical reports including histories, physicals, summaries, operations, consultations, radiology, and other medical reports by using transcription machines and word processing equipment. 4 Lec/Lab.

203 Fundamentals of Medical Science. (3) I, II. Formerly HRS 203. Prerequisites: AHN 200, 201, BIO 171, and 301. An introduction to the study of disease—its causes, symptoms and treatment.

204 Medical Record Technical Practice I. (1) I, II. Prerequisite or Corequisite: MRS 201. Supervised practice in the technical aspects of medical records within local and area hospital medical record departments off campus.

305 Medical Record Standards and Management. (2) I, II. Formerly HRS 305. Prerequisite: MRS 201. Prerequisite or Corequisite: MRS 204. The content, organization and analysis of hospital patient records. Licensing, accreditation and certification standards relative to medical record management.

306 Medical Record Classification and Coding Systems. (3) I, II. Formerly HRS 306. Prerequisite: MRS 203 or instructor approval. The coding and classification of symptoms, diseases, operations and procedures according to recognized systems, mainly ICD-9-CM. Coding of actual hospital records and DRG assignment. Blocked during first half of the semester. 4 Lec/Lab.

307 Medical Record Statistics. (2) I, II. Formerly HRS 307. Prerequisites: STA 208 or 209 and 210. The completion of medical care data abstracts and the computation and display of statistical data for administrative use, health care planning, and medical research. Blocked during the first half of the semester.

308 Specialized Medical Records and Registries. (2) I, II. Formerly HRS 308. Prerequisite: MRS 305. Maintenance of medical records in non-hospital health care facilities; organization, functions and procedures of specialized registries; and medical staff organization and functions. Blocked during the first half of the semester.

309 Utilization and Release of Medical Information. (2) I, II. Formerly HRS 309. Prerequisite: MRS 305. Methods of quality assurance in health care and the techniques of protecting the confidentiality of patient information. Introduction to DRGs and Utilization Review. Blocked during the first half of the semester.

312 Medical Record Technical Practice II. (6) I, II. Formerly HRS 312. Prerequisites: MRS 202, 305, 306, 307, 308, and 309. Internship assignment to hospital medical record departments for observation and practice of technical medical record functions. Blocked during the second half of the semester.

320 Advanced Medical Record Science. (2) I, II. Prerequisite: MRS 312. Readings, research, and practical problems related to current issues in medical records.

370 Computer Applications in Medical Records. (3) I, II. Prerequisites: CIS 212, MRS 312, or instructor approval. Health information systems, systems analysis, and practical applications of microcomputers.

401 Legal Aspects of Medical Records. (3) I. Formerly HRS 401. Prerequisite: instructor approval. The legal status, documentation requirements, and liability related to medical records and health care issues.

404 Medical Record In-service and Consulting. (4) I. Formerly HRS 404. Prerequisite or Corequisite: MRS 320. Planning, conducting and evaluating in-service education and medical record consultation.

405 Special Topics in Disease Management. (1) I. Prerequisite: MRS 203. Corequisite: AHN 450. A discussion of the diseases of the major body systems and the management of these diseases. Evaluating data for medical research and quality assurance. 2 Lec/Lab.

406 Quality Assurance in Health Care. (3) II. Formerly HRS 406. Prerequisites: MRS 405 and AHN 450. Development and implementation of quality assurance, utilization review, and risk management programs in a health care setting. Blocked during the first half of the semester. 4 Lec/Lab.

407 Organization and Management of Medical Record Departments. (3) I. Formerly HRS 407. Prerequisite: MGT 320. Prerequisite or Corequisite: MRS 320. The application of management principles to the administration of hospital medical record departments.

409 Research Methods in Medical Record Administration. (2) II. Formerly HRS 409. Prerequisites: MRS 370, STA 209, and 210. Introduction to the process of research, related terminology and techniques, significance to health care, and critique of published research articles. Blocked during the first half of the semester.

412 Medical Record Management Practicum. (6) II. Formerly HRS 412. Prerequisite: final semester in MRA program. Internship assignment to hospital medical record departments for observation and practice of management functions. Blocked during the second half of the semester.

414 Seminar in Medical Record Management. (1) II. Formerly HRS 414. Corequisite: MRS 412. A review and discussion of medical record administration in theory and in practice.

AHN—Allied Health and Nursing

100 Introduction to the Health Science Field. (3) I, II. Overview of U.S. health care, history, factors influencing health and health care, identification and organization of health facilities and professionals, health economics, health trends, and ethics.

332 Legal Principles for Health Care Professionals. (2) I, II. Basic legal implications of health care practice for medical assistants, nurses, emergency medical, and other health care personnel. Major issues include requirements for practice, contracts, malpractice, and civil liability.

450 Seminar in the Disease Process and Implications I. (2) I, II. Prerequisite: completion of, or current enrollment in, BIO 171 and 301 and instructor approval. Theory and research in pathophysiology of the disease process. Emphasis on in-depth study of the most prevalent, major diseases of man and their management through surgical intervention.

DEPARTMENT OF

MEDICAL SERVICES TECHNOLOGY

J. Repede, Chair; Berge, Brekken, Cremeens, Eades, Foley, Howard, Newsome.

Emergency Medical Care

The emergency medical technician-paramedic (EMT-P) primarily provides pre-hospital emergency care to acutely ill or injured patients by ambulance service and mobile advanced life support units under medical command authority, and secondarily, in other appropriate settings which are under physician control. The cur-

riculum is designed to provide the student with the theoretical and practical aspects of emergency medical procedures in the pre-hospital setting.

The program is accredited by the American Medical Association Committee on Allied Health Education and Accreditation in conjunction with the Joint Review Committee on Educational Programs for the EMT-Paramedic.

OBJECTIVES

Upon completion of the program, the graduate is expected to have competency in:

1. recognizing a medical emergency; assessing the situation; managing emergency care, and if needed, extrication; coordinating efforts with those of other agencies and establishing rapport with the patient and significant others to decrease their state of crisis;
2. assigning priorities of emergency treatment and communicating data to the designated medical command authority;
3. initiating and continuing emergency medical care under medical control; and assessing the response of the patient to that treatment and modifying medical therapy as the situation changes and at the direction of a physician or other authorized personnel;
4. exercising personal judgment in case of interruption in medical direction caused by communication failure or in cases of immediate life-threatening conditions;
5. directing and coordinating the transport of the patient by selecting the best available method(s) in conjunction with medical command authority;
6. recording in writing or dictation the details related to the patient's emergency care and the incident; and
7. directing the maintenance and preparation of emergency care equipment and supplies.

ADMISSION PROCEDURE

Students who have been admitted to the University and College of Allied Health and Nursing and who declare their major as Emergency Medical Care are admitted to the pre-emergency medical care program. Admission to the pre-emergency medical care program does not guarantee admission to the advanced emergency medical care (Paramedic) program.

ADMISSION REQUIREMENTS

Pre-emergency medical care students are accepted each semester. Students will be selected for admission into the advanced emergency medical care program once a year in the fall semester. Selection is in order of priority on the basis of highest cumulative grade point average and the criteria listed below. Due to limited enrollment, students are advised to apply as early as possible.

ADVANCED EMERGENCY MEDICAL CARE (PARAMEDIC) ADDITIONAL REQUIREMENTS

1. Students must be currently certified by the Kentucky Cabinet for Human Resources as an Emergency Medical Technician (EMT) and by the American Heart Association as a Basic II Provider.
2. Students must submit a completed physical examination form upon entrance and completion of the program. These forms are provided by the program. The physical examination must be performed by a physician licensed to practice medicine as approved by the Medical Advisor.
3. Students must successfully complete a written entrance examination administered by the program.
4. Students must have a minimum grade of "C" in all emergency medical care courses, plus AHN 240, BIO 171, and BIO 301.
5. Students must have a minimum cumulative grade point average of 2.0 on a 4.0 scale.

Student Liability Insurance

Students must purchase and maintain the College Student Liability insurance prior to enrollment in EMC 110, 115, 342, 352, and 362.

Emergency Medical Care

MAJOR (ASSOCIATE OF SCIENCE)

Major Requirements ..... **38 hours**
EMC 110, 115, 200, 205, 212, 215, 225, 310, 320, 335, 340, 342, 352, and 362.

Supporting Course Requirements ..... **3 hours**
AHN 240.

General Education Requirements ..... **23 hours**
ANO 100*, BIO 171*, 301*, three hours general education humanities*, three hours general education social science*, four hours restricted electives*, and six hours of English composition*.

Total Curriculum Requirements ..... **64 hours**

ADVANCED EMERGENCY MEDICAL CARE, CERTIFICATE

Major Requirements ..... **38 hours**
EMC 110, 115, 200, 205, 212, 215, 225, 310, 320, 335, 340, 342, 352, and 362.

Supporting Requirements ..... **9 hours**
AHN 240, BIO 171, and 301.

Total Curriculum Requirements ..... **47 hours**

MINOR IN EMERGENCY MEDICAL CARE

A student may minor in Emergency Medical Care by completing EMC 110, 115, 200, and nine hours of AHN or EMC courses approved by the Department of Medical Services Technology.

Course Descriptions

EMC—Emergency Medical Care

102 Emergency Medical Procedures. (3) I, II, A. Patient management, in emergency situations, requiring techniques to minimize pain and disability; includes bandaging, splinting, and cardiopulmonary resuscitation (CPR). CPR certification is a requirement for course completion. Credit will not be awarded for both EMC 102 and HEA 202 or HEA 203. 2 Lec/2 Lab.

110 Introduction to Emergency Medical Care. (5) I, II, A. Basic life support concepts and skills for the entry level Emergency Medical Technician (EMT) adhere to the U.S. Department of Transportation standards and curriculum. Credit will not be awarded for both EMC 110 and FSE 301. 3 Lec/3 Lab.

115 Basic Clinical/Field Experience. (3) I, II, A. Formerly EMC 111 and 112. Prerequisite: EMC 110. A minimum of 144 supervised contact hours in hospital emergency department and with assigned ambulance provider for application of basic life support concepts and skills.

200 Introduction To Prehospital Advanced Life Support. (2) II, A. Prerequisite or Corequisite: EMC 115 or department approval. Role and responsibilities of EMT-Paramedic, components of EMS systems, medical/legal considerations, and communications in advanced and basic life support settings.

205 Prehospital Management of OB/GYN Emergencies. (1) I, A. Prerequisite: EMC 110 or department approval. Pathophysiology and advanced level prehospital management of antepartum, parturition, postpartum, and gynecological emergencies. Assessment, care, and transportation of the neonate.

210 Vehicle Rescue. (3) II, A. Access, medical stabilization, and removal of victims from vehicle wreckage. Roles and responsibilities of rescue team members and supervisors. 2 Lec/2 Lab.

212 Crash Victim Auto Extrication. (1) I, A. Prerequisite or Corequisite: EMC 110 or department approval. Survey of vehicle extrication procedures for emergency medical personnel. Adheres to U.S. Department of Transportation content and objectives. 1 Lec/1 Lab.

215 Prehospital Management of Behavioral Emergencies. (1) I, A. Prerequisite: EMC 110 or department approval. Concepts and management of emotional and psychological emergencies applied to prehospital crisis intervention.

225 Introduction to Pharmacology. (3) II, A. Introduction to classification, nature, and uses of medications. Pharmacological agents utilized in prehospital health care setting emphasized.

300 Mobile Intensive Care Field Experience. (1-3) A. Prerequisites or Corequisite: EMC 362 and instructor approval. Participation on a less dependent basis with an advanced life support ambulance. An independent project is required. Successful completion is based upon evaluation by the Program Medical Advisor. May be retaken to a maximum of six hours.

310 Advanced Cardiac Life Support. (1) I, II, A. Prerequisites: AHN 240, EMC 225, and 335; or department approval. Management of cardiac resuscitation adhering to cognitive and performance standards of the American Heart Association. AHA ACLS Provider certification awarded upon successful completion. 1 Lec/1 Lab.

320 Advanced Life Support: Trauma. (3) I, A. Prerequisites: AHN 240, BIO 171, 301, EMC 115, and 200; or department approval. Prehospital management of complex patients with multiple systems failure secondary to trauma related pathologies.

335 Advanced Life Support: Medical Emergencies I. (3) I, A. Prerequisites: AHN 240, BIO 171, 301, EMC 115, and 225. Pathophysiology and advanced level prehospital management of emergencies of the respiratory, cardiovascular, endocrine, nervous, gastrointestinal, genitourinary, and reproductive systems.

340 Advanced Life Support: Medical Emergencies II. (3) II, A. Prerequisite: EMC 335. Pathophysiology and advanced level prehospital management of emergencies involving anaphylaxis, toxicology, alcoholism, drug abuse, infectious diseases, environmental hazards, and pediatric and geriatric patients.

342 Advanced Clinical I. (3) I, A. Formerly EMC 221. Corequisite: EMC 335. Integration of basic and advanced life support concepts and psychomotor skills in patient care situations developed through supervised assignments in various hospital settings.

352 Advanced Clinical II. (3) II, A. Formerly EMC 252. Prerequisite: EMC 342. Corequisites: EMC 320 and 340. Hospital assignments allow continued development and application of cognitive and psychomotor skills in critical situations. Autonomous decision-making skills developed under supervision through increased participation in patient care.

362 Mobile Intensive Care Internship. (6) A. Formerly EMC 262. Prerequisites: EMC 205, 212, 215, 310, 320, and 352. A minimum of 500 hours supervised experience on intensive care vehicle provides progression of responsibilities from observation through working as team member.

Medical Assisting Technology

The Medical Assisting Technology Program was established in response to the need for skilled individuals to serve as members of the primary health care team in providing optimal health care to people in the community. The Medical Assisting Technology Program, which leads to an Associate of Science degree, enables interested individuals to acquire a basic understanding of the health sciences and an appreciation of human dignity.

The Medical Assisting Technology Program is accredited by the Committee on Allied Health Education and Accreditation and the American Medical Association in collaboration with the American Association of Medical Assistants. Graduates of the program are eligible to take the certification examination administered by the American Association of Medical Assistants.

Students develop primary health care skills in diagnostic tests and measurements, therapeutic procedures, and medical office practices. The curriculum combines both general and specialized education in the administrative and clinical areas of medical assisting. Instruction includes both formal class work and directed practical experience in hospitals, clinical laboratories, physicians' offices, health departments, urgent treatment centers, and other health care settings. The course of study may be completed in four semesters.

Students taking the medical assisting curriculum may elect to add an emphasis in Pediatrics or Obstetrics/Gynecology. In addition to the skills of medical assisting, the pediatric emphasis offers specialized preparation in the care of children. The obstetrics/gynecology emphasis offers specialized preparation in the care of pregnant women and women with gynecological disorders. The additional skills and knowledge gained through either emphasis will give the graduate more job versatility in the specialist's office.

PROGRAM OBJECTIVES

The graduate of the Medical Assisting Program is expected to:

1. utilize knowledge acquired from the curriculum to perform administrative and clinical skills in the physician's office;
2. apply knowledge of human development and behavior to communicate effectively with patients, their families, and health workers;
3. assume ethical and legal responsibility for medical assisting practices;
4. utilize theory and skills to provide patient education;
5. serve as a liaison between the physician and the patient; and
6. accept the responsibility for continuing growth as a person and professional.

The first two-and-one-half semesters are spent on campus in the classrooms and laboratories. The Department has three well-equipped laboratories which permit the student to receive valuable practical simulated experience in primary health care skills. In the second half of the third semester, the student receives practical experiences in hospital operating rooms, emergency rooms, and laboratories. The final semester includes an externship (MAS 225) during which the student spends two days a week working in physicians' offices.

Following completion of the Medical Assisting Technology Associate of Science degree, students can increase their knowledge and skills by obtaining a four-year degree. There are several related disciplines by which this can be accomplished. The four-year programs which are complimentary to medical assisting are community health and health care administration.

Students desiring to transfer from CAHEA/AMA/AAMA accredited medical assisting programs may receive credit by examination for specific medical assisting courses.

ADMISSION REQUIREMENTS AND PROCEDURES

Two classes are admitted annually, one in the fall semester and one in the spring semester. Admission to the Medical Assisting Technology Program is contingent upon enrollment in Eastern Kentucky University. Enrollment is limited. Applications are accepted according to the dates they are received by the Admissions Coordinator.

1. Apply for admission to the University through the office of Admissions-School Relations.
2. An application form for the College of Allied Health and Nursing, Medical Assisting Technology Program, will be sent to the student following acceptance to the university.
3. This form and a college health history form must be completed and returned to the Admissions Coordinator of the College of Allied Health and Nursing. Immunizations must be current.
4. Results of a rubella titre and tuberculin skin test or chest x-ray must be submitted to the program prior to completion of MAS 111.

Student Liability Insurance

Students must purchase and maintain the College Student Liability Insurance prior to enrollment in MAS 111, 112, 220, 221, and 225.

Medical Assisting Technology
ASSOCIATE OF SCIENCE

Major Requirements ..... **26 hours**
MAS 100, 111, 112, 220, 221, 225, 233, and 240.
Supporting Course Requirements ..... **21 hours**
AHN 200, 201, 239, 330, 332, EMC 102, NFA 201, and OAD 152.
General Education Requirements ..... **20 hours**
ANO 100*, BIO 171*, 301*, HPR 180* or 181*, three hours general education humanities*, three hours general education social science*, and six hours of English composition.
Pediatric Emphasis (optional) ..... **9 hours**
CDF 241, 342, and MAS 222.
Obstetric/Gynecology Emphasis (Optional) ..... **6 hours**
CDF 241 and MAS 223.
Total Curriculum Requirements ..... **67-76 hours**

Course Descriptions

MAS—Medical Assisting Technology

100 Introduction to Medical Assisting. (3) I, II. Medical assisting administrative and clinical responsibilities, human relations, communication skills, professional ethics, and law in health care.

111 Medical Assisting Laboratory Procedures I. (2) II, A. Prerequisite: minimum GPA of 2.0. Prerequisite or Corequisite: MAS 100. Corequisite: MAS 112. Clinical procedures emphasizing quality control, specimen collection, urinalysis, and hematology. 2 Lec/2 Lab.

112 Medical Assisting Techniques I. (2) II, A. Prerequisite or Corequisite: MAS 100. Corequisite: MAS 111. Introduction to clinical skills performed in medical offices with emphasis on asepsis, health history, physical examinations and assessment, vital signs, drug administration, infection control, catheterization and related pathological and physiological conditions. 2 Lec/2 Lab.

220 Medical Assisting Laboratory Procedures II. (4) I, A. Prerequisite: MAS 111. Corequisite: MAS 221. Level II clinical skills in urinalysis, hematology, diagnostic and screening tests, clinical chemistry, microbiology, and limited physiotherapy. Selected off campus experience required. 2 Lec/8 Lab.

221 Medical Assisting Techniques II. (4) I, A. Prerequisite: MAS112. Corequisite: MAS 220. Level II therapeutic skills including physical assessment, medical history, drug administration, and surgical procedures. Common diseases and conditions and related diagnostic procedures and treatments. Selected clinical experiences required. 2 Lec./8 Lab.

222 Child Health Care. (3) A. Growth and development, the child as a family member, physical assessment, infectious disease and immunization procedures, acute and chronic childhood conditions, with emphasis on treatments and procedures performed in the medical office.

223 The Obstetrical and Gynecological Patient. (3) A. Obstetrical and gynecological management, human reproduction and development, pregnancy, labor and delivery, characteristics of the normal newborn, obstetric complications and common gynecological conditions with emphasis on treatments and procedures performed in the medical office.

225 Medical Office Externship. (4) II, A. Prerequisites: MAS 220, 221, 233, and 240. Supervised practice in physicians' offices, clinics, and health agencies. 2 Lec/16 Lab.

233 Medical Office Administration. (4) I, II, A. Formerly MAS 231 and 232. Prerequisites; AHN 200, MAS 100, OAD 152, and minimum typing speed of 40 wpm. Knowledge and skills in medical office communication, patient records, medical transcription, and health insurance as related to the operation and management of the medical office. 3 Lec/4 Lab.

240 Medical Office Management. (3) I, II. An introduction to the basic accounting principles pertaining to a medical office and the application of these skills in various situations.

AHN—Allied Health and Nursing

105 Survey of Medical Terminology. (1) I, II, A. Independent study, modular design paced by class meetings includes word roots, prefixes, suffixes, and general medical terms.

200 Medical Terminology I. (3) I, II, A. Basic medical vocabulary consisting of prefixes, suffixes, roots; anatomical, symptomatic, and common disease terms of the body systems.

201 Medical Terminology II. (3) I, II. Prerequisite: AHN 200. Includes surgical instruments and procedures, diseases, laboratory tests, clinical procedures, and abbreviations for each system. Terms related to oncology, radiology, nuclear medicine, pharmacology, psychiatry, systemic disorders, and autopsy procedures.

239 Techniques of Electrocardiography. (1) I, A. Methods of obtaining 12-lead electrocardiogram and survey of cardiac anatomy, physiology, and electrophysiology.

240 Introduction to Electrocardiography. (3) II, A. Cardiac anatomy, physiology, and electrophysiology related to ECG. Proficient ECG interpretation skills emphasized.

DEPARTMENT OF

MEDICAL TECHNOLOGY

R. Schmitt, Chair; Campbell, Noblitt, VanWegen.

The Department of Medical Technology has two clinical laboratory programs leading to the Bachelor of Science degree and the Associate of Science degree.

The baccalaureate program offers two options:

A first option is a University-based upper division plan, sometimes referred to as a 2-plus-2 program. In this option, all medical technology courses are conducted in laboratories on campus, except for the practicum courses which are presented in a nearby affiliated clinical laboratory for approximately five months under the guidance of EKU faculty. The student seeks admission to this upper division program at the end of the sophomore year. Students who are accepted into the Upper Division Program are guaranteed admission to the practicum courses if they have a grade point average of 2.5 and fulfill prerequisites. Color blind students must obtain a medical evaluation before being admitted to the upper division plan.

The second option is a 3-plus-1 plan which is so designated because students follow a three-year curriculum plan on campus plus one year of organized instruction in an affiliated clinical laboratory. The instruction in a clinical setting is described as "Medical Technology Hospital Internship" (CLS 401) and carries a total of 36 semester hours credit. In this plan, it is the responsibility of the student to gain acceptance into an affiliated facility at the end of the junior year.

The Associate of Science degree is awarded upon completion of the medical laboratory technician program. On-campus study and practice are supplemented by a choice of several affiliated laboratories.

PHILOSOPHY AND GOALS

It is the overall objective of the Department of Medical Technology to provide flexible programs which lead to technical competency based on knowledge and understanding. This precept requires the student to develop a sense of purpose and dedication to a health profession, a background in the arts and sciences, and a self-reliant determination to excel.

ADMISSION REQUIREMENTS

Medical Technology Program

Admission to the major: All students who are accepted by the Eastern Kentucky University Admissions office and declare their major as medical technology are accepted into the pre-medical technology major. Admission to the professional program: An overall grade point average of 2.5 with a grade of not less than "C" in each of the major and supporting courses is required and must be maintained. Candidates are selected by committee on a best qualified basis into one of the options described above.

Medical Laboratory Technician (MLT) Program

Students interested in pursuing the two-year medical laboratory technician program must meet a minimum of two out of three of the following:

1. ACT minimum standard score of 17;
2. Minimum high school grade point average of "B"; and
3. Projected rank of upper third of high school graduating class.

In addition, students must earn a minimum of 2.0 ("C") in the major courses of the medical laboratory technician program. Students not meeting the requirements will have the opportunity to enroll in general education and support courses in order to establish an acceptable grade point average. Students who meet the above requirements will be accepted into the program within enrollment limits according to date of application. The Department reserves the right to accept only the best qualified applicants. While awaiting acceptance, students will be assigned to the pre-MLT major.

College students must have attained a minimum of 2.25 overall grade point average on a minimum of 12 hours attempted. Any change of major or transfer student not having the minimum grade point average will be assigned to the pre-MLT area until the minimum grade point average is attained. A grade point average of 2.25 must be maintained to remain in the MLT Program.

Curriculum Changes

Approved changes in any MT or MLT program are effective during the semester following approval. Curriculum components which are replaced will be acceptable as previously completed. New requirements may be added, however. Consult the department for possible changes to this bulletin.

Progression Policy

The Department of Medical Technology limits the number of major courses which may be repeated. In addition, a major course or supporting course may normally be repeated only once.

Medical Technology

AREA MAJOR, UPPER DIVISION PLAN
(BACHELOR OF SCIENCE)

Major Requirements ..... 54 hours
BIO 520, CLS 201, 300, 305, 308, 310, 320, 346, 411, 431, 432, 433, 434, 435, 436, and 437.

Supporting Course Requirements ..... 36 hours
BIO 211, 320, 348, CHE 111, 112, 325, 361, 366, MAT 107, STA 209, and 210.

General Education Requirements ..... 43 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 3 hours
To be selected by the student from University offerings with advisor approval.

Total Curriculum Requirements ..... 136 hours

Medical Technology

3-Plus-1 PLAN
(BACHELOR OF SCIENCE)

Major Requirements ..... 46 hours
CLS 201, 308, 401, and 411.

Supporting Course Requirements ..... 43-45 hours
BIO 211, 320, 348, 520, 597, CHE 111, 112, 325; CHE 330 or 361 with 366, MAT 107, STA 209, 210, and approved science or math elective.

General Education Requirements ..... 43 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 3 hours

Total Curriculum Requirements ..... 135-137 hours

Medical Laboratory Technician

ASSOCIATE OF SCIENCE

Major Requirements ..... 31 hours
BIO 276, MLT 201, 202, 203, 205, 206, 207, and 208.

Supporting Course Requirements ..... 21 hours
AHN 105, BIO 211*, 348, CHE 111*, 112*, and MAT 107*.

General Education Requirements ..... 15 hours
ANO 100*, HPR 180, 181*, three hours general education humanities*, three hours social science*, and six hours of English composition*.

Total Curriculum Requirements ..... 67 hours

Course Descriptions

CLS—Clinical Lab Science

201 Introduction to Medical Technology. (3) I, II. Open to all students. Techniques common to clinical laboratories. Stresses basic physical and chemical principles with career applications. 4 Comb. Lec/Lab.

300 Clinical Laboratory Methods. (2) I. Prerequisite: enrollment in upper division plan or instructor approval. Lab calculations, instrumentation and quality assurance. 2 Lec.

305 Analysis of Body Fluids. (2) I. Prerequisite: enrollment in upper division plan or instructor approval. Principles, procedures, and significance of analysis of urine, spinal fluid, and other fluids commonly examined in the clinical laboratory. 3 Comb. Lec/Lab.

308 Clinical Immunology. (3) I, II. Prerequisite: pre-MT or MT major or instructor approval. Principles, procedures, sources of error and clinical application of serological tests, Immune mechanisms, specimen collection; procedures include ASO, VDRL, RA, LE, IM, Rubella, Cold Agglutinins, fluorescent antibodies, and others. 4 Comb. Lec/Lab.

310 Hematology and Coagulation. (5) I. Prerequisite: enrollment in upper division plan or instructor approval. Morphology of blood, determination of blood parameters and dyscrasias; mechanisms and procedures in coagulation. 6 Comb. Lec/Lab.

320 Immunohematalogy. (3) II. Prerequisite: enrollment in upper division plan or instructor approval. Blood banking, blood grouping, phenotyping, cell panels, compatibility testing, and transfusion practices. 2 Lec/2 Lab.

346 Clinical Chemistry. (6) II. Cross listed as CHE 346. Prerequisite: enrollment in upper division plan or instructor approval. Introduction to theory and lab procedures, measurement of constituents of body fluids, instrumentation, and clinical interpretation of results in relation to biochemistry of human system. 3 Lec./6 Lab.

401 Medical Technology Hospital Internship. (8-16) I, II, A. Prerequisite: successful completion of three years of the curriculum for the 3-plus-1 medical technology program. Designed for the MT student who is interning at an accredited school of medical technology associated with a hospital. May be retaken to a maximum of 36 semester hours.

411 Clinical Microscopy. (4) II. Prerequisite or Corequisite: BIO 520. Principles and specific techniques in microscopy including phase, fluorescence, and darkfields. Includes study of parasites and micro-organisms in clinical materials. 4 Lec/Lab.

431 Clinical Correlations. (3) I, II, A. Prerequisite: enrollment in upper division plan and completion of all 300-level CLS courses. Correlates the sub-disciplines of clinical laboratory science. Reviews all areas and stresses laboratory medicine in the health professions.

432 Clinical Chemistry Practicum. (5) I, II, A. Prerequisite: enrollment in upper division plan and completion of all 300-level CLS courses. Diagnostic chemical procedures in an affiliated laboratory.

433 Hematology-Urinalysis Practicum. (5) I, II, A. Prerequisite: enrollment in upper division plan and completion of all 300-level CLS courses.

Diagnostic blood morphology and urine studies in an affiliated laboratory.

434 Clinical Microbiology Practicum. (4) I, II, A. Prerequisite: enrollment in upper division plan and completion of all 300-level CLS courses. Clinical bacterology, parasitology, and mycology in an affiliated laboratory.

435 Blood Bank-Immunology Practicum. (3) I, II, A. Prerequisite: enrollment in upper division plan and completion of all 300-level CLS courses. Practical immunohematology and serological tests in an affiliated laboratory.

436 Lab Management Practicum. (1) I, II, A. Prerequisite: enrollment in upper division plan and completion of all 300-level CLS courses. Principles of managing a medical laboratory presented in an affiliated laboratory.

437 Clinical Laboratory Seminar. (1) I, II, A. Prerequisite: enrollment in upper division plan and completion of all 300-level CLS courses. Case studies, advanced procedures, and problem solving in the clinical laboratory.

MLT—Medical Laboratory Technician

201 Medical Laboratory Technician I. (3) I, II. Prerequisite: admission to MLT program or instructor approval. Introduction to laboratory studies, including laboratory techniques, laboratory mathematics, urinalysis, venipuncture, immunology, and instrumentation. 4 Comb. Lec/Lab.

202 Medical Laboratory Technician II. (3) I, II. Prerequisite: admission to MLT program. Clinical procedures used in hematology, blood banking, and coagulation. 4 Comb. Lec/Lab.

203 Medical Laboratory Technician III. (3) I, II. Prerequisite: admission to MLT program. Clinical procedures used in clinical chemistry, mycology, and parasitology. 4 Comb. Lec/Lab.

205 Practicum I. (7) I, II. Prerequisite: MLT 201, 202, and 203. Administrative policies, hematology, serology, and blood banking in an affiliated hospital concurrently with MLT 206.

206 Practicum II. (6) I, II. Prerequisite: MLT 201, 202, and 203. Clinical chemistry and microbiology in an affiliated hospital concurrently with MLT 205.

207 Technical Correlations. (2) I, II. Prerequisites: MLT 201, 202, and 203. Relationships among MLT topics. Stresses mastery of subdisciplines at technician level, clinical significance and interpretation of lab requests. 2 Lec.

208 Clinical Instrumentation. (2) II. Prerequisite: MLT student or instructor approval. Practice with clinical lab instruments. Emphasis on principles, use, and quality control. 4 Lab.

Substitutions may be made as follows:

MLT Curriculum Courses	MT Curriculum Equivalents
AHN 200 or other courses outside Department	Restricted Electives (eight hours maximum)
BIO 276	BIO 320
MLT 201, 202, 203, or 207	CLS 201 and/or elective
MLT 205, 206	BIO 597
	Reduce time in practicum by validation of performance objectives

Other courses in the MLT program are in the MT curriculum. Students may also challenge CLS courses by departmental examination.

DEPARTMENT OF
BACCALAUREATE NURSING

D. McNeil, Chair; Abrams, Baugh, Begley, Brandenburg, Brashear, Crosby, Demaree, Gates, Hall, Joseph, Kelley, McClure, McDowell, McGill, Moore, Murray, Peters, Pfotenhauer, Renfro, Schlomann, Walko, Waters, Wray.

The Department of Baccalaureate Nursing is approved by the Kentucky Board of Nursing and accredited by the National League for Nursing.

The nursing program leading to a baccalaureate degree is four years long. General education in the sciences and liberal arts provides the basis for and is correlated with the major in nursing. More than half of the collegiate program is devoted to a combination of physical, biological and social sciences, and humanities as deemed essential to the preparation of the professional nurse. The nursing component is composed of the instruction in nursing theory and the application of nursing theory in the clinical setting under the guidance of nursing faculty. Thus, nursing is learned through a combination of formal instruction and supervised experiences in hospitals, clinical agencies and a variety of community agencies, but also lays the foundation for graduate study in clinical specialities, research, teaching, supervision and/or administration. Graduates of the baccalaureate program earn a baccalaureate degree in nursing (BSN) and are eligible to write the state licensure examination.

Graduates of the program who successfully write the state board examinations are licensed to practice as registered nurses.

The Baccalaureate Degree Nursing Program is based upon the belief that preparation for professional nursing encompasses a broad, liberal, general, and professional education. Within the framework of Eastern Kentucky University and the College of Allied Health and Nursing, the Department of Baccalaureate Nursing attempts to provide opportunities for the individual to act independently, to think creatively, to communicate effectively, and to serve with enlightenment and imagination. Eastern Kentucky University is located within the foothills of the Appalachian Mountains. Recognizing the influence of culture on health and learning, the department deliberately capitalizes on the location of the institution in its approach to education.

The Department of Baccalaureate Nursing aims to: (1) provide the individual with a broad-based education; (2) prepare professional nurses capable of functioning effectively in varied settings; (3) prepare professional nurses capable of functioning effectively in future emerging roles; (4) instill within the individual a sense of responsibility for continued personal and professional growth; (5) prepare leaders within the profession and society as a whole; and (6) provide the foundation for graduate study in nursing.

The curriculum is organized around a core of general education, selected support courses, and nursing components designed to provide a foundation upon which nursing behaviors are developed. In achieving the program goals, students practice in a variety of settings and utilize the nursing process by drawing on the knowledge of relevant concepts from the biological, physical, social, and nursing sciences.

PROGRAM OBJECTIVES

Upon completion of the baccalaureate program, the graduate will be able to:

1. explain, support, and defend the concept that each human being is unique, holistic, and has rights to self-determination in matters pertaining to health.
2. synthesize empirical and theoretical knowledge from the physical, biological, behavioral, social, and nursing sciences and humanities in the practice of nursing.
3. generate goal-directed communication to establish and maintain caring, therapeutic, and educative relationships.
4. exemplify the professional who is accountable for self-evaluation and self-determination.
5. interpret teaching/learning theories in meeting health education needs.
6. provide nursing care through utilization of the nursing process for people of all ages and stages of development in a variety of settings having varying socio-economic cultural backgrounds and having health concerns of varying complexity.

7. contribute to the alteration of the environment to influence health and the individual's ability to adapt and develop.
8. integrate leadership skills in the practice of nursing.
9. utilize knowledge from research to improve nursing practice.
10. manage, in collaboration with other professionals, the human and environmental resources to ensure quality nursing care.
11. function as a change agent to alter health care systems for improvement of nursing care.
12. influence the emerging role of the professional nurse based on an appreciation of nursing's past and present.
13. assume responsibility for personal and professional growth.

ADMISSION REQUIREMENTS AND PROCEDURES

Admission to the Baccalaureate Nursing Program

All students who are accepted by Eastern Kentucky University's Admissions Office and declare their major as Baccalaureate Nursing (four-year nursing) are admitted to the University as pre-baccalaureate nursing majors. However, admission to the freshman year does not guarantee admission to the clinical nursing courses scheduled for the fourth semester. To be admitted to the clinical nursing courses, students must have completed the first three semesters of college work as outlined in the curriculum plan. All prerequisite courses must be completed with a grade of "C" or better, and minimum overall grade point average of 2.5 on a 4.0 scale must be obtained. Students with a cumulative grade point average below 2.5 will not be considered for admission to the Baccalaureate Nursing Program.

In addition to the academic criteria required for admission, the student must meet the standards written into the State of Kentucky Nurse Practice Act. Specifically, the Nurse Practice Act requires that each student be of good moral and ethical character, good mental and physical health, and be academically qualified to fulfill the role and responsibilities of a person licensed to practice as a professional nurse.

Transfers from Other Colleges and Universities

Transfer students must submit copies of all transcripts along with their application to the program. These transcripts will be considered a part of the application process and are necessary to determine admission and placement. All grades earned in any course work will enter into the computation of grade point average when applying to the Baccalaureate Nursing Program.

Students wishing to transfer nursing courses from another accredited institution must have a minimum of a "C" in any nursing course to be transferred. In addition, the applicant must submit a reference letter from the director of the program and submit complete course outlines and/or syllabi. This material should be submitted well in advance of expected matriculation in order to provide time for necessary evaluation.

PLAN FOR REGISTERED NURSES

The Department of Baccalaureate Nursing offers the opportunity to registered nurses to complete the course of study leading to the Bachelor of Science in Nursing degree. Academic credits earned at other accredited colleges or universities are transferable upon approval of the appropriate department at Eastern Kentucky University. Official transcripts are to be submitted by the student to the office of the Registrar. Credits more than eight years old must be approved. Registered Nurse students are required to take NSC 375, Perspectives of Professional Nursing, but are permitted to challenge 33 hours of selected nursing and allied health courses.

Nursing

AREA MAJOR (BACHELOR OF SCIENCE IN NURSING)

Major Requirements ..... 43 hours
NSC 280, 282, 283, 291, 382, 383, 391, 392, 482, 490, 491, 492, and 495.

Supporting Course Requirements ..... 49 hours
AHN 289, 330, 389, 390, ANT 331, BIO 171, 273, 301, 378, CHE 105, 106, NFA 201, PSY 202, 280, SOC 131, and 245.

General Education Requirements ..... 38 hours
Standard General Education program, excluding course categories 9, 13, 14, 15, 16, and 19. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... 130 hours

Specific Degree Requirements for Bachelor of Science in Nursing

In addition to the general requirements for the baccalaureate degree, students must earn a minimum grade of "C" (2.0) in all nursing and support courses. Students will be required to sign an agreement upon admission to the program which encompasses professional expectations related to the program.

Second Majors or Minors Outside of Nursing

Students pursuing a baccalaureate degree in nursing shall be permitted to declare a minor or a second major outside of the baccalaureate nursing program. Any student who chooses to pursue a minor or second major must have as their primary advisor a faculty member from the Department of Baccalaureate Nursing. A minor or a second major will only be feasible for those students extending their baccalaureate education beyond the traditional four years.

Course Descriptions

NSC—Nursing

280 Introduction to Professional Nursing. (3) I, II. Formerly NSC 290. Prerequisite: sophomore standing or instructor approval. Introduction of selected concepts and constructs which form the foundation upon which professional nursing is based.

282 Nursing and the Interactive Process. (2) I, II. Prerequisite: sophomore standing or instructor approval. Emphasis on knowledge of self, other individuals and groups, and the dynamics of interaction as a means to establish, maintain and alter relationships. Beginning concepts of change and teaching-learning.

283 Nursing Assessment and Intervention I. (2) I, II. Corequisite: AHN 289 and NSC 291. Focus is on assessment and intervention skills to meet common health needs of children from infancy through early adolescence.

291 Health Care: Infancy through Early Adolescence. (5) I, II. Prerequisite: NSC 280. Focus on health care needs of children from infancy through early adolescence in relation to health-illness continuum; application of the nursing process in meeting nursing needs utilizing concepts of stress adaptation and family dynamics.

375 Perspectives in Professional Nursing. (4) A. Prerequisite: R.N. status; admission to the nursing major. Foundation course for registered nurse students which focuses on the changing concepts in professional nursing as developed within the conceptual framework.

382 Nursing Assessment and Intervention II. (2) I, II. Prerequisite: NSC 283. Focus is on assessment and intervention skills to meet common health needs at late adolescence, the child bearing family and young adults.

383 Nursing Assessment and Intervention III. (2) I, II. Prerequisite: NSC 391. Focus is on assessment and intervention skills to meet common health needs of adults during their middle years.

391 Health Care: Late Adolescence through Young Adulthood. (5) I, II. Prerequisite: NSC 291. Focus on health needs of late adolescents,

childbearing family, and young adults in relation to health-illness continuum; application of the nursing process in meeting nursing needs utilizing concepts of stress adaptation and family dynamics.

392 Health Care In the Middle Years. (5) I, II. Prerequisite: NSC 391. Focus is on the utilization of nursing concepts in the application of the nursing process to care of adults during their middle years.

482 Nursing Assessment and Intervention IV. (2) I, II. Prerequisite: NSC 392. Focus is on assessment and interventions skills within the health care system and to meet common health needs of the older adult and the community.

490 Nursing Research. (3) I, II. Prerequisite: senior standing in the major. Research process applied to problems in nursing as a base for evaluation of existing practice and research. Student designs an individual research study which may be carried out in NSC 492.

491 Health Care In the Older Years. (5) I, II. Prerequisite: NSC 392. Focus on utilization of teaching/learning theories, group communication skills and nursing process to meet needs of the elderly; analysis of health problems, promotion/maintenance of wellness of the elderly through a holistic approach.

492 Health Care Practicum. (5) I, II. Prerequisites: NSC 490 and 491. Course facilitates professional role socialization. Student practices in a clinical setting under the supervision of an approved nurse preceptor and the guidance of a clinical faculty member. Emphasis is on synthesis and demonstration of the characteristics of the professional nurse. The research project begun in NSC 490 may be completed in this semester.

495 Nursing in Transition. (2) I, II. Prerequisite: senior standing in the major. Historical, political, and socioethical systems which shape the nursing profession; philosophy, process and power sources of health care delivery systems; potential and emerging nursing roles; strategies for building power bases, exerting leadership, and instituting change.

AHN—Allied Health and Nursing

289 Homeostatic Responses I. (3) I, II. Corequisite: NSC 291 or instructor approval. Focus on the integration of knowledge acquired in basic biological, psychological, and social sciences in the development of a holistic understanding of children from infancy through young adolescence who are experiencing psychologic or physiologic stressors.

330 Clinical Drug Therapy. (3) I, II. Prerequisites: CHE 105 and 106 or equivalent and BIO 301. Emphasis on knowledge and actions needed to maximize therapeutic benefits and prevent/minimize adverse effects of drugs. Content includes drug classes, prototypes of drug classes, commonly prescribed individual drugs and drug effects on body tissues.

389 Homeostatic Responses II. (3) I, II. Corequisite: NSC 391 or instructor approval. Focus on integration of knowledge acquired in basic biological, psychological, and social sciences in the development of a holistic understanding of adolescents, childbearing family, and young adults experiencing psychological or physiologic stressors.

390 Homeostatic Responses III. (3) I, II. Corequisite: NSC 392 or instructor approval. Focus on integration of knowledge acquired in basic biological, psychological, and social sciences in the development of a holistic understanding of adults in the middle and older years who are experiencing psychologic or phsysiologic stressors.

DEPARTMENT OF
ASSOCIATE DEGREE NURSING

P. Jarczewski, Chair; Aubel, Benz, Bradford, Gaffney, Jinks, Kluemper, Luy, Lynn, Paxson, Ransom, Rapp, Rogers, Schmitke, Tudor, Vance, Wisenbaker, Wooton.

The Department of Associate Degree Nursing, established in 1965, is approved by the Kentucky Board of Nursing and accredited by the National League for Nursing. Upon completion of the program, the graduate is eligible to take the examination for licensure as a registered nurse and practice in staff level registered nurse positions in a variety of clinical settings.

ADMISSIONS REQUIREMENTS AND PROCEDURES

Students not currently enrolled at Eastern Kentucky University should apply to the University office of Admissions, specifying that the major field of study will be associate degree nursing. Admission to the University does not guarantee admission to the Department of Associate Degree Nursing. Students currently enrolled at Eastern should apply directly to the Admissions Coordinator, College of Allied Health and Nursing.

All graduates of accredited high schools and those holding the G.E.D. certificate may apply for admission to the nursing program. Preference for admission will be given to the more highly qualified candidate. Licensed Practical Nurses (LPN's) who are graduates of state approved schools may challenge a portion of the nursing sequence.

Application forms for the College of Allied Health and Nursing, Department of Associate Degree Nursing, will be sent to applicants following acceptance to the University. The following information must be submitted for consideration for admission to the program.

1. Completed admission application form
2. American College Testing Scores (ACT)
3. High school transcript or certificate of G.E.D.
4. High school grade point average
5. Transcript of University or College work
6. Completed Student Health History Form

It is essential that all of this information be submitted **before** the application can be considered. High school students should check with their high school counselor for application forms, testing dates, and locations for the ACT. Other applicants may contact the Office of Institutional Research, Jones Building, at Eastern Kentucky University for information about the ACT.

All of the above information must be received by the Admissions Coordinator, College of Allied Health and Nursing, by March 1 for the fall class and October 1 for the spring class. Two classes are admitted each year. Notification of acceptance for the fall class will be in April or until the class has been filled. Notification of acceptance for the spring class will be in November or until the class has been filled.

The Admissions Committee will consider the data submitted by the applicant which should include a minimum grade point average of 2.0 (based on a 4.0 scale) on all college work attempted and an ACT composite of 15 or higher, an ACT math score of 14 and an English score of 13 or higher or proficiency in math, English, and reading as determined by proficiency exams or developmental courses.

Nursing
ASSOCIATE OF SCIENCE

Major Requirements ..... **34 hours**
NUR 115, 125, 235, 245, and 255.

Supporting Course Requirements ..... **24 hours**
BIO 171*, 273*, 301*, 378*, CHE 105*, NFA 201, PSY 202, and SOC 131*

General Education Requirements ..... **10 hours**
ANO 100*, three hours general education humanities*, and six hours of English composition*.

Total Curriculum Requirements ..... **68 hours**

Course Descriptions
NUR—Nursing

115 Nursing Concepts I. (6) I, II. The nursing process is utilized to assist holistic man meet basic needs throughout the life cycle. Extensive laboratory and clinical experiences provide opportunities to develop in the roles of a nurse.

125 Nursing Concepts II. (6) I, II. Prerequisite: NUR 115. Builds on concepts and skills from NUR 115 with application to clients from the beginning of the life cycle through death. Enables progression in application of nursing process caring for one or two clients experiencing common stressors.

235 Nursing Problems I. (10) I, II. Prerequisite: NUR 125. Develops competency in the application of the nursing process for clients experiencing interferences with ingestion, elimination, patterns of coping, normal cell proliferation and the integument. Selected clinical experiences of adult and child client utilized.

245 Nursing Problems II. (10) I, II. Prerequisite: NUR 235. Develops competency in the application of the nursing process while caring for one or more clients experiencing common illnesses which interfere with oxygenation, musculoskeletal, regulatory and neurosensory function. Selected clinical experiences utilized.

255 Trends and Issues in Nursing. (2) I, II. Prerequisite: NUR 235. Ethical, legal and professional responsibilities and opportunities of the nurse are stressed with historical events in nursing interwoven.

AHN—Allied Health and Nursing

340 Applying Principles of Client Education. (2) I, II. Utilization of teaching/learning principles in development of skills pertaining to client education, communication, and discharge planning.

342 Understanding A.I.D.S. (1) I, II. A seminar intended to inform students about risk factors and implications associated with acquiring A.I.D.S. (Acquired Immune Deficiency Syndrome).

DEPARTMENT OF

OCCUPATIONAL THERAPY

J. Anderson, Chair; Barney, Benzing, Blakeney, Griffin, Kautzmann, Laster, Masagatani, Peganoff, Roberts.

Occupational therapy as a health profession has as a primary concern the development of skills and abilities needed in individuals to have independent and productive lives. Reference to "occupation" in the title is in the context of being engaged or "occupied" in meaningful day-to-day living activities including work, leisure, and self-care activities.

Occupational therapy is the use of purposeful activity with individuals who are limited by physical injury or illness, psychosocial dysfunction, development or learning disabilities, poverty and cultural differences or the aging process in order to maximize independence, prevent disability, and maintain health. The practice encompasses evaluation, treatment, and consultation. Specific occupational therapy services include: teaching daily living skills; developing perceptual-motor skills and sensory integrative functioning; developing play skills and prevocational and leisure capacities; designing, fabricating or applying selected orthotic and prosthetic devices or selective adaptive equipment; using specifically designed crafts and exercises to enhance functional performance; administering and interpreting tests such as manual muscle and range of motion; and adapting the environment for the handicapped. These services are provided individually, in groups, or through social systems.

Since the primary focus of occupational therapy is the development of adaptive skills and performance capacity, its concern is with factors which serve as barriers or impediments to the individual's ability to function, as well as those factors which promote, influence or enhance performance.

Occupational therapy is an integral component of today's comprehensive health care. The occupational therapist, as a vital member of the health care team, works with qualified physicians, physical and speech therapists, nurses, social workers, psychologists, vocational counselors, teachers, and other specialists.

Occupational therapy services are provided in a variety of settings and afford numerous employment opportunities. These include health departments, rehabilitation centers, community hospitals, school systems, developmental centers, individual practice, home health programs, and settings serving clients with special problems.

The education and training of the occupational therapist concentrates on the biological sciences such as anatomy, physiology, and neuroanatomy; behavioral sciences such as normal and abnormal psychology and psychosocial development, sociology, and group process; and the theory and practice of occupational therapy.

The occupational therapy program at Eastern Kentucky University was established in 1976 and is jointly accredited by the American Occupational Therapy Association and the American Medical Association Committee on Allied Health Education and Accreditation.

The occupational therapy curriculum is a four-year course of study plus a six-month fieldwork (off-campus internship) in which students are placed in facilities where occupational therapy is practiced. Following successful completion of the program, including OTS 481, OTS 482 fieldwork (internship), the graduate is eligible to sit for the national certification examination of the American Occupational Therapy Association.

The curriculum is undergoing revision and requirements will change. Students admitted to the program are advised to keep themselves adequately informed of changes in order not to lose credit. Information on curricula changes can be obtained from the department chair.

OBJECTIVES

The Department of Occupational Therapy is committed to the education of the future occupational therapist as a generalist. The generalist must be qualified and prepared to practice in a variety of modes of health care delivery to service a wide range of client disabilities and age ranges.

Upon successful completion of the baccalaureate program including six months of fieldwork (internship), the graduate will:

1. understand the theoretical bases of occupational therapy;
2. understand and demonstrate the occupational therapy process (assessment, program planning, treatment, discontinuation);
3. understand and demonstrate skill in occupational therapy service management;
4. understand and apply problem-solving methods;
5. communicate effectively with others;
6. demonstrate adaptability and flexibility;
7. demonstrate sensitivity to the needs and feelings of others;
8. respect self and others regarding rights and dignity;
9. function as an independent health practitioner; and
10. realize need for and seek continued learning.

ADMISSION REQUIREMENTS

Students with a standing of second semester sophomore or more shall be considered for admission to the Occupational Therapy Program. Students will be admitted during the fall semester and the spring semester. Candidates shall be selected from applicants who have met the criteria listed below. Only students with a cumulative GPA of 2.5 or above on a 4.0 scale will be considered for admission to the Occupational Therapy Program. Of necessity, the number of admissions annually is limited and completion of criteria for admissions does not ensure acceptance into the program.

Candidates will be selected from those meeting the criteria for admissions to the professional Occupational Therapy Program using the statistical method of random selection. In the event a

student is not accepted into the Occupational Therapy Program, the student may re-apply for the next semester by submitting a new application the following semester.

Pre-Occupational Therapy

All students who are accepted by Eastern Kentucky University Admissions Office and declare their major as occupational therapy are admitted to the University as pre-occupational therapy students. However, admission to pre-occupational therapy does not guarantee admission to the professional Occupational Therapy Program which begins second semester, sophomore year. To be eligible for application to the professional Occupational Therapy Program, students must have completed a minimum of 30 semester hours of college credit, prerequisite courses, and have maintained a minimum overall GPA of 2.5 on a 4.0 system.

Transfer Students from Other Colleges and Universities

A transfer student must submit copies of all transcripts to the Eastern Kentucky University Registrar. These transcripts will be considered a part of the application and are necessary to determine admission and placement. Transcripts must be received by the Registrar by the application deadline date. A photocopied catalog description of all transferred support courses must be submitted along with the application form.

CRITERIA FOR ADMISSION TO THE PROFESSIONAL OCCUPATIONAL THERAPY PROGRAM

1. Students must have completed a minimum of 30 semester hours of college credit (developmental courses do not apply to the 30 semester hours) before application to the Occupational Therapy Program.

2. Students must have a minimum cumulative GPA of 2.5 on a 4.0 scale at time of application and at time of enrollment in the professional program. For students having a previous bachelors or masters degree, only the last 60 hours of coursework will be used in calculating the cumulative GPA.

3. Students must have a minimum of 2.0 in all prerequisite courses at time of application.

4. The following prerequisite courses must be completed before applying to the program: A minimum of three semester hours or its equivalent in human anatomy with a lab (BIO 171), in human physiology (BIO 301), in general psychology (PSY 202), and six semester hours of freshman English composition (ENG 101, 102, or 105).

5. Student must demonstrate an understanding of occupational therapy through one of the following:

a. completion of OTS III, Survey of Occupational Therapy, or an equivalent course
   OR
b. completion of 20 hours of volunteer experience in an occupational therapy setting. [At the time of application, the applicant must submit the following documents: (1) a written statement by an OTR verifying the volunteer experience and (2) a brief summary (one page, typewritten, double-spaced) written by the applicant describing the role of the occupational therapists in the volunteer setting]
   OR
c. employment in an occupational therapy setting documented by an OTR. At the time of application, written verification by an OTR must be attached to the application.

ADMISSION PROCEDURES

1. Students must obtain application forms for the Occupational Therapy Program from the Admissions Office, College of Allied Health and Nursing.

2. Students applying for admission to the Occupational Therapy Program must submit their applications and any support documents to the Admissions Office, College of Allied Health and Nursing. Students desiring consideration for spring admission must submit all documents by September 15. Students desiring consideration for fall admission must submit all documents by March 1.

3. Student applicants are to provide a list of courses that they expect to complete prior to admission to the Occupational Therapy Program. This list must be submitted along with the application form.

4. Students shall be notified of admission status, in writing, by November 1 for spring admission and April 1 for fall admission.

5. The student who wishes to accept the admission to the Occupational Therapy Program must notify the Department of Occupational Therapy of acceptance, in writing, by November 15 for spring admission and April 15 for fall admission. If mailed, the acceptance must be post-marked not later than November 15 for spring admission and April 15 for fall admission.

6. Students are officially admitted to the Occupational Therapy Program at the time of enrollment in the professional program.

PROGRESSION IN THE PROGRAM

In order for students to follow the established progression of the program sequence, they must meet all prerequisites with a "C" or better before enrolling in any occupational therapy course.

RETENTION/READMISSION IN THE OCCUPATIONAL THERAPY PROGRAM

Students must meet the following criteria in order to be retained in the Occupational Therapy Program.

Criteria:**

1. Maintain an overall GPA of 2.0 on a 4.0 scale.

2. Complete all major and support courses with a minimum of a "C" after two attempts.

3. Follow the Department Leave of Absence Procedures when it is necessary for the student to temporarily leave the Occupational Therapy Program.

(**Dismissal from the University will automatically be considered dismissal from the Occupational Therapy Program.)

Students not retained in the program either voluntarily or by not meeting the above criteria must petition for readmission, in writing, to the Admissions and Retention Committee.

LEAVE OF ABSENCE

Students may be granted a Leave of Absence from the Occupational Therapy Program for a maximum of one year. Students granted a Leave of Absence from the Occupational Therapy Program must follow the readmission procedures of Eastern Kentucky University and the College of Allied Health and Nursing when re-entering the program. They do not need to re-apply to the Occupational Therapy Program. Specific procedures are described on the Leave of Absence forms. Leave of Absence forms may be obtained from the Department of Occupational Therapy office: Wallace 109, Eastern Kentucky University.

APPEALS

Students have the right to appeal decisions related to admission, progression, or retention to the Admissions and Retention Committee. Appeals procedures are available from the Department of Occupational Therapy.

***Refer to the section of General Academic Information for general admission requirements for Eastern Kentucky University and the General Admission Policies for the College of Allied Health and Nursing.

Occupational Therapy
AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 59 hours
OTS 232, 320, 331, 332, 335, 341, 352, 353, 354, 362, 431, 432, 435, 454, 455, 462, 473, 478, 481, and 482 (six month off-campus internship).

Supporting Course Requirements ..... 35 hours
AHN 105, BIO 171, 271, 301, 371, EMC 102, IET 141, PSY 202, 280, 308, 406, and SOC 232.

General Education Requirements ..... 46 hours
Standard General Education Program, excluding course categories 13, 15, and 16. Refer to Part Three of the Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... 140 hours

Course Descriptions
OTS—Occupational Therapy

111 Survey of Occupational Therapy. (1) I, II. Introduction to occupational therapy and the many facets of the profession. Survey course for individuals considering a career in health.

232 Foundation of Occupational Therapy. (3) I, II. Prerequisite: acceptance into professional program. Basic theories, skills, concepts and values of occupational therapy will be considered as a foundation of the student's professional development.

235 Independent Practicum. (1-3) I, II, A. Prerequisite: major in occupational therapy program. Self-directed participation in a health service or community agency. Daily log is required. Student must submit objectives to instructor for approval prior to registration. Hours credit negotiated.

320 Theoretical Constructs in OT. (3) I, II. Prerequisite: OTS 232. Corequisites or Prerequisites: BIO 271 and 371. Comparison of frames of reference for occupational therapy practice. Provides the theoretical basis for all subsequent treatment courses and the student's individual frame of reference.

331 Occupational Therapy Skills I. (2) I, II. Prerequisite: acceptance into professional program. Introduction to the value and use of activities in occupational therapy. Development of occupational performance skills in work, play/leisure and self-care. Teaching process, and activity analysis procedures. 3 Lec/Lab.

332 Occupational Therapy Skills II. (2) I, II. Prerequisite: OTS 331. The use of activities to enhance independent daily living performance in work, play/leisure, and self-care. Selected assessment procedures and therapeutic modifications emphasized. 3 Lec/Lab.

335 OT Group Theory and Skills. (2) I, II. Prerequisite: OTS 232. Contemporary group theories and skills used by occupational therapists in practice arenas with children, adolescents, adults, and the elderly. Development of skills in group roles and programming for therapeutic groups. 2 Lec.

341 Level I Fieldwork - A. (2) I, II. Prerequisites: EMC 102 and OTS 232. Corequisite or Prerequisite: OTS 352. The first competency based fieldwork course to develop professional skills in occupational therapy service delivery. Students assigned to agencies serving infants, children or adolescents. 5 Lab.

352 OT For Infants and Children. (3) I, II. Prerequisites: PSY 280 and OTS 232. Corequisite or Prerequisite: OTS 320. Programming for infants and children. Evaluation, program planning, treatment application, prevention, and consultation. Concepts of health and illness related to infants and children. 4 Lec/Lab.

353 Occupational Therapy for the Adolescent. (3) I, II. Prerequisite: OTS 320. Theories, approaches, and principles of occupational therapy programming for the adolescent. Evaluation, program planning, and treatment application. 4 Lec/Lab.

354 OT for Adults - Assessment. (4) I, II. Prerequisites: OTS 320 and PSY 308. The first of two courses on occupational therapy programming for adults with biopsychosocial problems. Theoretical basis, function/dysfunction continuum and assessment component of several frames of reference. 5 Lec/Lab.

362 Human Motion for Activity. (3) I, II. Prerequisites: acceptance into professional program and BIO 271. Kinetics of the musculoskeletal system in relation to occupational performance skills. Included are evaluation procedures for muscle strength, range of motion, biomechanical analysis, and hand function. 2 Lec/2 Lab.

410 Special Problems in Occupational Therapy. (1-3) A. Prerequisite: Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Independent study, special seminar, or special topic. May be retaken to a maximum of six hours.

431 Occupational Therapy Skills III. (2) I, II. Prerequisite: OTS 332. Skills in adapting tools, equipment, environments, and activities for therapeutic use. Designing, fabricating, and using orthotic devices, and developing assistive and adaptive equipment to enhance work, play/leisure, and self-care skills. 3 Lec/Lab.

432 Research Methodology in OT. (3) I, II. Prerequisites: senior standing in professional program, SOC 232 or equivalent. Students will learn to be consumers of research data, conduct literature searches, examine methods of research design and data collection, and prepare a research proposal related to occupational therapy.

435 OT Professional Seminar. (1) I, II. Prerequisite: senior standing in program. Students will research, develop position statements, and debate the pros and cons of health issues affecting the practice of occupational therapy. Concepts of strategic planning and self-directed learning will be emphasized.

454 OT for Adults - Treatment. (4) I, II. Prerequisite: OTS 354. The second of two courses on theories, approaches, and principles of occupational therapy programming for adults with biopsychosocial problems. Treatment planning, adaptations, prevention, and remediation. 5 Lec/Lab.

455 OT for the Elderly. (3) I, II. Prerequisite: OTS 320. Theories, approaches, and principles of gerontic occupational therapy. Theories of aging, normal physiological and psychological changes of aging, specific diseases and conditions, and common problems of the aging population. Focus on occupational therapy intervention. 4 Lec/Lab.

462 Level I Fieldwork - B. (2) I, II. Prerequisites: OTS 320 and OTS 341. Corequisite or Prerequisite: OTS 454. The second competency based fieldwork course to help develop skills in occupational therapy service delivery. Students assigned to agencies serving adults with biopsychosocial problems. 5 Lab.

473 Level I Fieldwork - C. (2) I, II. Prerequisite: OTS 462. Corequisite or Prerequisite: OTS 455. The third competency based fieldwork course to help develop skills in occupational therapy service delivery. Students assigned to agencies serving the elderly. 5 Lab.

478 OT Administration. (3) I, II. Prerequisite: senior standing in professional program. Occupational therapy service management skills. Includes health care trends and legal issues. Student will develop a model for the delivery of occupational therapy services in a selected agency or facility.

481 Level II Fieldwork (Internship). (6) A. Prerequisites: completion of all occupational therapy and support courses and instructor approval. Three months of supervised field experience with individuals and/or groups having psychosocial disabilities. Students will be supervised by Registered Occupational Therapists.

482 Level II Fieldwork (Internship). (6) A. Prerequisites: completion of all occupational therapy and support courses and instructor approval. Three months of supervised field experience with individuals and/or groups having physical disabilities. Students will be supervised by Registered Occupational Therapists.

483 Level II Fieldwork Specialty Internship. (2-6) A. One to three months of field experience in a specialty area of occupational therapy. Students will be supervised by a Registered Occupational Therapist.

525 Technology for the Disabled. (3) I. Provides knowledge of specific technology available for developing or enhancing the work, leisure, or self-care skills of the severely disabled individual.

GRADUATE COURSES

725 Technology for the Disabled. (3) I.

AHN—Allied Health and Nursing

570 Health Care of the Aged. (3) A. Theories of gerontology; common health problems of the aged; focus on quality health care.

GRADUATE COURSES

770 Health Care of the Aged. (3) A.

Interdisciplinary Courses

AHN—Allied Health & Nursing

The College of Allied Health and Nursing offers courses designed to meet the needs of students in the various majors in Allied Health and Nursing. Enrollment in these courses is normally limited to students in the College of Allied Health and Nursing.

100 Introduction to the Health Science Field. (3) I, II. Overview of U.S. health care, history, factors influencing health and health care, identification and organization of health facilities and professionals, health economics, health trends, and ethics.

105 Survey of Medical Terminology. (1) I, II, A. Independent study, modular design paced by class meetings includes word roots, prefixes, suffixes, and general medical terms.

200 Medical Terminology I. (3) I, II, A. Basic medical vocabulary consisting of prefixes, suffixes, roots; anatomical, symptomatic, and common disease terms of the body systems.

201 Medical Terminology II. (3) I, II. Prerequisite: AHN 200. Includes surgical instruments and procedures, diseases, laboratory tests, clinical procedures, and abbreviations for each system. Terms related to oncology, radiology, nuclear medicine, pharmacology, psychiatry, systemic disorders, and autopsy procedures.

210 Special Problems in Allied Health and Nursing. (1-3) A. Prerequisite: advisor/departmental chair approval. For independent work, special workshops, or a special topic. May be retaken to a maximum of six hours.

239 Techniques of Electrocardiography. (1) I, A. Methods of obtaining 12-lead electrocardiogram and survey of cardiac anatomy, physiology, and electrophysiology.

240 Introduction to Electrocardiography. (3) II, A. Cardiac anatomy, physiology, and electrophysiology related to ECG. Proficient ECG interpretation skills emphasized.

250 Introduction to Gerontology. (3) I. An interdisciplinary approach to the study of aging that presents a balanced view of both normal and problem aspects of aging.

289 Homeostatic Responses I. (3) I, II. Corequisite: NSC 291 or instructor approval. Focus on the integration of knowledge acquired in basic biological, psychological, and social sciences in the development of a holistic understanding of children from infancy through young adolescence who are experiencing psychologic or physiologic stressors.

330 Clinical Drug Therapy. (3) I, II. Prerequisites: CHE 105 and 106 or equivalent and BIO 301. Emphasis on knowledge and actions needed to maximize therapeutic benefits and prevent/minimize adverse effects of drugs. Content includes drug classes, prototypes of drug classes, commonly prescribed individual drugs and drug effects on body tissues.

332 Legal Principles for Health Care Professionals. (2) I II. Basic legal implications of health care practice for medical assistants, nurses, emergency medical, and other health care personnel. Major issues include requirements for practice, contracts, malpractice, and civil liability.

340 Applying Principles of Client Education. (2) I, II. Utilization of teaching/learning principles in development of skills pertaining to client education, communication, and discharge planning.

342 Understanding A.I.D.S. (1) I, II. A seminar intended to inform students about risk factors and implications associated with acquiring A.I.D.S. (Acquired Immune Deficiency Syndrome).

349 Cooperative Study: Allied Health and Nursing. (1-8) A. Work, under faculty and field supervisors, in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. Minimum 80 hours work required for each academic credit.

389 Homeostatic Responses II. (3) I, II. Corequisite: NSC 391 or instructor approval. Focus on integration of knowledge acquired in basic biological, psychological, and social sciences in the development of a holistic understanding of adolescents, childbearing family, and young adults experiencing psychological or physiologic stressors.

390 Homeostatic Responses III. (3) I, II. Corequisite: NSC 392 or instructor approval. Focus on integration of knowledge acquired in basic biological, psychological, and social sciences in the development of a holistic understanding of adults in the middle and older years who are experiencing psychologic or physiologic stressors.

410 Special Problems in Allied Health and Nursing. (1-3) A. Prerequisite: advisor/departmental chair approval. For independent work, special workshop, or special topic. May be retaken to a maximum of six hours.

420 Special Topics for Health Professions. (1-2) A. Prerequisite: senior standing and/or instructor approval. Topics of current interest to students enrolled in health professions. May be retaken to a maximum of six hours.

450 Seminar in the Disease Process and Implications I. (2) I, II. Prerequisite: completion of, or current enrollment in, BIO 171 and 301 and instructor approval. Theory and research in pathophysiology of the disease process. Emphasis on in-depth study of the most prevalent, major disease of man and their management through surgical intervention.

460 Seminar in the Disease Process and Implications II. (2) II. Prerequisite: completion of, or current enrollment in, BIO 171 and 301 and instructor approval. Theory and research in pathophysiology of the disease process. Emphasis on in-depth study of the most prevalent, major diseases of man and their management through medical intervention.

510 Physical Assessment. (4) A. Prerequisite: instructor approval. Techniques used in performing a physical examination. Introduces the student to techniques used in eliciting patient histories. Graduate students complete a detailed case history.

531 Human Genetics and Its Implications for Health Care. (3) A. Prerequisite: one year of chemistry and biology or instructor approval. A study of the chromosomal basis of heredity, bio-chemical genetics, immunological disorders, and blood groups. Graduate students will be required to present a (mid-metaphase) human chromosomal analysis.

532 Principles of Genetic Counseling. (3) A. Prerequisite: AHN 531 or instructor approval. The role of the physician and medical geneticist and the health care worker in genetic counseling. Topics in genetic principles, probability, linkage, paternity, consanguinity, penetrance, and empiric risk counseling, prenatal diagnosis, and consequences of genetic counseling. Graduate students will present a case study.

550 Pathophysiology. (3) A. Prerequisite: instructor approval. Emphasis on in-depth study of the more prevalent, major diseases of man and their management.

570 Health Care of the Aged. (3) A. Theories of gerontology; common health problems of the aged; focus on quality health care.

GRADUATE COURSES

710 Physical Assessment. (4) A.
731 Human Genetics and Its Implications for Health Care. (3) A.
732 Principles of Genetics Counseling. (3) A.
750 Pathophysiology. (3) A.
770 Health Care of the Aged. (3) A.

COLLEGE OF APPLIED ARTS AND TECHNOLOGY

KENNETH S. HANSSON, Dean

CONTENTS

Agriculture 64
Home Economics 68
Industrial Education and Technology 75
Mass Communications 82
Aviation 85
Military Science 85
Air Force ROTC 86

The specific purposes of the College of Applied Arts and Technology are stated in their order of emphasis: 1) to provide selected instructional programs for the preparation of people for careers in the applied arts and technologies; 2) to contribute to the professional growth of individuals in their careers and to the elevation of technical disciplines through public service; and 3) to intensify and broaden the base of knowledge within the applied arts and technologies through research.

The College of Applied Arts and Technology seeks to fulfill its purpose related to instruction by offering a variety of associate, baccalaureate and masters degree programs in four departments: Agriculture, Home Economics, Industrial Education and Technology, and Mass Communications. A four-year Army Reserve Officers Training Corps (ROTC) program is offered by the Department of Military Science. Students may also enroll in the Air Force ROTC program through a cooperative agreement with the Air Force ROTC Unit at the University of Kentucky. Aviation courses leading to certificates and a minor are offered through the College.

The College is committed to the career-ladder concept by providing opportunities for students enrolled in, or completing the associate (two-year) degree programs, to transfer to a corresponding baccalaureate program within the same department with little or no loss of credits.

The Department of Agriculture administers two-year programs designed to prepare technicians for agriculture-related occupations. The Associate of Science Degree is awarded to students who successfully complete the prescribed programs in technical agriculture and in ornamental horticulture. The Department offers baccalaureate programs with majors in technical agriculture and technical horticulture. The pre-veterinary medicine curriculum is also administered by the Department.

The Department of Home Economics offers baccalaureate programs to prepare teachers for vocational home economics and general home economics, as well as for those who wish to become specialists in child and family development, clothing construction and design, dietetics, fashion, and food service administration. Under the College of Applied Arts and Technology, the interdisciplinary program which leads to a baccalaureate degree in interior design is also administered by the Department. Associate degree programs are provided in child care, nutrition care, and interior design. The Department also offers a graduate program leading to the Master of Science degree in community nutrition.

The Department of Industrial Education and Technology administers baccalaureate degree programs to prepare industrial arts teachers for secondary schools, vocational-industrial and technical teachers for vocational-technical schools, and technicians and technologists for the manufacturing and construction industry. Associate of Science degree programs are offered in vocational-industrial and technical education, computer electronics, drafting and design, industrial electronics, printing, and quality assurance. The Department also offers graduate programs leading to the Master of Science degree in industrial education and the Master of Science degree in industrial technology.

The Department of Mass Communications provides baccalaureate degree programs designed to aid students to become effective and responsible practitioners in the various areas of broadcasting, journalism, and public relations.

The Aviation Unit provides instruction in preparation for the private pilot, instrument and commercial certificate. A minor in Aviation is offered by the Unit.

The Department of Military Science does not offer a degree program, but it provides opportunities for leadership development for students from all majors and military commissions in the active Army, National Guard, or U.S. Army Reserve for those who qualify. Students may minor in military science.

Students in Air Force ROTC enroll at Eastern for courses offered by the Air Force ROTC Unit at the University of Kentucky. The basic courses are offered on the EKU campus while the advanced courses are offered at the University of Kentucky.

The College offers a large number of extended campus classes and encourages its faculty to provide consultative services for the public good. In addition, the College is engaged in special projects designed for public service and research in the applied arts and technologies.

Courses numbered in the 700 series are open to seniors and graduate students who meet course and program prerequisite. Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduates. Courses numbered in the 800 series are open only to graduate students.

While specific requirements for each degree are found in the appropriate departmental presentations, the Academic Orientation Course, ATO 100, is common to all programs.

PLANNED CURRICULUM

Upon completion of 60 hours, in a baccalaureate degree program, a planned curriculum (which specifies the remaining graduation requirements) must be initiated by consulting the faculty advisor in the major department. Teaching majors must have been admitted to the Teacher Education Program prior to the preparation of a planned curriculum. Any subsequent change in the planned curriculum is proposed on forms available in the office of the advisor. Students in associate degree programs should initiate the preparation of the planned curriculum after completing 15 semester hours.

APPLICATION FOR GRADUATION

Students must file an application for graduation in the dean's office no later than April 30 for December graduation and no later than October 31 for either May or August graduation. It is the student's responsibility to plan and register for the proper courses to meet all graduation requirements.

DEGREE REQUIREMENTS

General University requirements described on page 31 in Part Three of this Catalog, as well as specific course requirements set forth in the description of curricula, must be met by students completing associate and baccalaureate programs administered by the College of Applied Arts and Technology. See programs under each department for major and minor requirements. Common to all programs is the Academic Orientation course (ATO 100) of the College of Applied Arts and Technology.

ATO—Applied Arts and Technology Orientation

100 Academic Orientation. (1) I, II. Designed to orient the student to university academic life and afford background for career choice and preparation. Included are University regulations and calendar, catalog details, registration, various career opportunities, and program requirements. Not open to students with more than 30 semester hours.

DEPARTMENT OF

AGRICULTURE

D. Barkley, Chair; Black, Britt, Hayes, Judge, Knight, Wilson.

The Department of Agriculture offers curricula to provide programs for education and careers in agricultural occupations, to develop new programs to meet the needs of rapidly developing technology, to provide work experience as a part of technical education, and to aid graduate placement in the Agriculture Industry. The Department also strives to provide services to the agriculture community through such activities as field days, demonstrations and applied research.

The primary purpose of educating students to become technically trained agriculturalists is accomplished by developing their ability:

1. to attain job entry competence;
2. to work independently;
3. to analyze and interpret information; diagnose problems, make decisions;
4. to make practical applications of theoretical knowledge in performing specific tasks in specialized fields;
5. to exercise cognitive skills, yet be able to supervise and perform manipulative skills; and
6. to develop and improve proficiency in technical skills through practicum courses.

Students pursuing any program of study in AGR and OHO must have achieved a "C" average in departmental courses to receive a degree.

Agriculture

MAJOR (BACHELOR OF SCIENCE) WITH MINOR IN BUSINESS**

Major Requirements ..... 52-53 hours
AGR 125 or 270, 130, 210, 213, 215, 304, 308, 310, and 411; four hours from AGR 301, 302, or 349; and 20 hours in Agriculture and/or Ornamental Horticulture upper division electives with a maximum to eight hours in any option area.

Minor Requirements ..... 18 hours
ACC 201 and 202; ECO 230 and 231; six hours upper division Business electives.

Supporting Course Requirements ..... 8 hours
BIO 131 or 141; CHE 101.

General Education Requirements ..... 41 hours
Standard General Education program, excluding course categories 9, 12, 13, and 14. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 8-9 hours

Total Curriculum Requirements ..... 128 hours

**Minor in other fields may be substituted if approved by Departmental Chair and Dean of the College ot Applied Arts and Technology.

Agriculture

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 58-63 hours
AGR 125 or 270; 130, 210, 213, 215, 304, 308, 310, and 411; four hours of electives from AGR 301, 302, or 349; 12 hours of upper division AGR and/or OHO electives and one of the following options:

Option I (Agriculture Mechanization):
AGR 242, 272, 362, 383, and 394.

Option II (Agronomy & Natural Resources):
AGR 312 or 344; 315, 321, 340, and 416.

Option III (Dairy Herd Management):
AGR 225, 321, 375, and 380.

Option IV (Farm Management):
AGR 315, 321, 394, 409, and 440.

Option V (Livestock Production):
AGR 225, 321, 327, 328, and 409.

Option VI (Soils):
AGR 312 or 344; 315, 317, 318, and 340; 416 or GLY 414.

Option VII (Vo-Ag Preparation):
Kentucky Vocational Agriculture Certification requires a minimum of 50 hours in AGR and/or OHO courses. Minimum in soils, six hours; Agriculture Mechanization, six hours: Animal Science, six hours; Plant Science, six hours; Farm Management, three hours; pre-student teaching clinical and field experience, 150 hours. Students should check with advisor regarding current education course requirements.

Supporting Course Requirements ..... 17 hours
BIO 131 or 141, CHE 101, ACC 201 and six hours upper division Business electives.

General Education Requirements ..... 47 hours
Standard General Education program, excluding course categories 13 and 14. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 2-6 hours

Total Curriculum Requirements ..... 128-129 hours

Horticulture

MAJOR (BACHELOR OF SCIENCE) WITH MINOR IN BUSINESS**

Major Requirements ..... 50 hours
OHO 131, 214, 271, 351, 391, AGR 215, 304, 308, and 411; OHO 384 or 385; four hours from OHO 301, 302, and/or 349,

12 hours upper division OHO/AGR electives.

Minor Requirements ..... **18 hours**
ACC 201 and 202; ECO 230 and 231; six hours upper division Business electives.

Supporting Course Requirements ..... **8 hours**
BIO 131 or 141; CHE 101.

General Education Requirements ..... **41 hours**
Standard General Education Program, excluding course categories 9, 12, 13, and 14. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **11 hours**

Total Curriculum Requirements ..... **128 hours**

*Minor in other fields may be substituted if approved by Departmental Chair and Dean of the College of Applied Arts and Technology.

Horticulture
AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **54 hours**
OHO 131, 214, 271, 351, AGR 210, 215, 304, 308, and 411; three hours from OHO 301, 302, and/or 349; six hours of upper division electives from AGR and/or OHO electives; and one of the following options.

Option I (Ornamental Horticulture):
OHO 261, 262, and 352; 384 or 385; 388 and 389 or 302 and 391.

Option II (Turfgrass Production):
OHO 352, 362A, 362F, 362G, and 362I; OHO 349 (four hours); OHO 410 (two hours); AGR 263, and 362.

Supporting Course Requirements ..... **17 hours**
BIO 131, CHE 101, ACC 201; six hours upper division Business electives.

General Education Requirements ..... **47 hours**
Standard General Education program, excluding categories 13 and 14. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **10 hours**

Total Curriculum Requirements ..... **128 hours**

MINOR IN AGRICULTURE

A minor consists of 18 hours of agriculture or ornamental horticulture arranged between the department chair and the student seeking the minor. The objective is to meet the student's need for taking a minor in these areas. However, six or more hours shall be upper division courses.

MINOR IN SOILS

A core of courses may be taken for a minor in soils. Courses are: AGR 130, 215, 315, 317, 318, and 340; AGR 416 or GLY 414.

Technical Agriculture
ASSOCIATE OF SCIENCE

Major Requirements ..... **43 hours**

Core:
AGR 130, 210, 213, and 310; six hours of 301, 302, and/or 349; 13-14 hours of Agriculture electives and one of the following options:

Options:

Beef Herd Management ..... **10 hours**
AGR 125, 327, and 330.

Dairy Herd Management ..... **10 hours**
AGR 270 and 380.

Agricultural Mechanics ..... **11 hours**
AGR 272, 362, 383, and 394

Supporting Course Requirements ..... **21 hours**
ATO 100*, six hours of English composition*, HPR 180* and 181*, eight hours of electives from three or more General Education categories*; and four hours of restricted electives*.

Total Curriculum Requirements ..... **64 hours**

Technical Ornamental Horticulture
ASSOCIATE OF SCIENCE

Major Requirements ..... **43 hours**

Core:
AGR 210, 215, 263, 304, 308, OHO 131, 349 (four hours), AGR 213 or OHO 214, six hours of OHO electives; and one of the following options:

Options:

Floriculture and Floristry ..... **12 hours**
OHO 362E, 364, 388, and 389; 384 or 385.

Landscape Horticulture ..... **12 hours**
OHO 261, 262, 271, and 391.

Turf Management ..... **12 hours**
OHO 271, 301, 351, and 352.

Supporting Course Requirements ..... **21 hours**
ATO 100*, six hours of English composition*, CHE 101*, three hours general education humanities*, three hours general education social science*, and four hours of restricted electives*.

Total Curriculum Requirements ..... **64 hours**

Pre-Veterinary Medicine

The Eastern Kentucky University program in pre-veterinary medicine is administered by the Department of Agriculture. Although Kentucky does not have a school of veterinary medicine, the state participates as a member of the Southern Regional Educational Board plan under which legal Kentucky residents attend Auburn University School of Veterinary Medicine. The program is funded by an appropriation of the General Assembly to the Kentucky Council on Public Higher Education.

A limited number of students who are legal residents of Kentucky and have completed Pre-Veterinary requirements are selected by Auburn (34 positions) or Tuskegee Institute (2 positions) each year to enter professional training in veterinary medicine at the respective schools. Students enter the four-year program of the transfer institution at the beginning of the fall term and are approved for succeeding years so long as normal progress is made toward the degree in veterinary medicine. These students are exempt from out-of-state tuition at Auburn. Selection is on a competitive basis with the final selection being made by a committee composed of faculty members from each of the respective schools.

Each of the two transfer schools have essentially the same entrance requirements and each requires a minimum grade point average of 2.5 on a 4.0 scale. Tuskegee also requires results from the VAT before acceptance. A student should work closely with the pre-vet advisor concerning their program and should have a grade point average of 3.0 to be competitive.

All course work must be completed by June 15 prior to fall admission to the school of veterinary medicine. A grade of "D" in any required course is not accepted. Substitution of courses must be approved by the veterinary school to which application is to be made. All course requirements must be met and certain courses in the science (organic chemistry, physics, genetics and microbiology) must have been taken within six years of entry into the School of Veterinary Medicine.

Application to veterinary schools under the Kentucky program is made beginning in the fall of the year preceding that of admission. The deadline for applications is October 15. Students should follow application instructions regarding updating of their transcripts and course work at the school to which they apply. The student should work closely with the pre-veterinary advisor in making certain that all requirements are met. There are some specific alternatives to the following courses depending on a student's background.

Because of the large number of applications and limited number acceptances the student should choose a secondary career goal.

A pre-vet student at Eastern has the following alternatives while proceeding through the program of study.

1. Complete the pre-vet curriculum in three years and apply for admission into a school of veterinary medicine. Students may receive a B.S. degree from Eastern by transferring credits from the first year of veterinary school back to Eastern.

2. Earn a B.S. degree at Eastern with an agriculture, biology, chemistry, or other appropriate major during the fourth year after completing the pre-veterinary curriculum.

3. At any time, change from the pre-veterinary curriculum to the above majors and graduate with a B.S. degree with no loss of credit.

Students are expected to gain practical large animal experience during the course of pre-vet study, either on the university farm or with a D.V.M. The pre-vet advisor can assist in arranging for this experience.

Qualified students may by-pass MAT 109; students with insufficient background may take MAT 107 and 108. Auburn has no specific mathematics requirement, but to have adequate math background for completion of the physics and chemistry classes you should complete at least a beginning calculus class.

The following curriculum may be completed in three years after which the student is then eligible to apply for admission to Auburn or Tuskegee.

ATO 100, AGR 125, 321, 372A, 421; AHN 200; BIO 141, 211, 315, 320; CHE 111, 112, 361, 362, 366, 367; six hours of English Composition; GSS 246 and 247 or HIS 231 and 232; HPR 180 and 181; MAT 109 and 261; PHY 131 and 132; POL 101; nine hours of humanities and social science electives. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements . . . . . 95 hours

Course Descriptions

AGR—Agriculture

110 An Introduction to American Agriculture. (2) A. The agriculture industry in the United States from significant past events to current status. Complexities of laws and regulations and their influence on the farmer's ability to produce for U.S. and World Markets.

125 Principles of Animal Science. (4) I. Management and production practices of livestock enterprises; types, market classes, and grades of beef cattle, sheep, and swine and the breeds and products of dairy cattle.

130 Principles of Agronomy. (4) I. Principles of plant growth, reproduction, crop-soil relationships. Provides foundations of information for further study in field crop production and soil management.

210 Agricultural Measurements. (2) A. Measuring and computing areas of land, volumes and capacities of buildings, and feed structures, spray mixtures, fertilizer needs, parts per million, feed rations and other measurement situations encountered on the farm, techniques of metric conversion.

213 Principles of Agricultural Mechanics. (4) I, II. Principles of operation, maintenance, and repair of gasoline engines and electrical motors; basic electrical circuits and electrical controls for agricultural mechanization systems and power requirements for agricultural structures; theoretical and practical experience.

215 Principles of Soils. (3) I, II. Prerequisite: CHE 101. Soil origin, classification and properties; soil conservation; soil microorganisms; organic matter; soil water; soil minerals; lime commercial fertilizers, soil erosion, soil management. Students receive field experience.

225 Evaluation and Selection of Livestock. (3) II. An evaluation of dairy cattle, beef cattle, swine and sheep; use of records, body type ratings, and carcass information as they relate to functional anatomy and efficiency of production; sire selection and pedigree interpretation.

242 Safety Practices and Agriculture Equipment Operation. (3) A. The study of safety for effective use of equipment and supervised practice, using new equipment that could be expected to be found on a well equipped farm.

243 Agricultural Sociology. (3) A. Social organization of individuals and groups of individuals involved in the pursuit of rural and non-urban life. Historical and present trends in agriculture; processes of technological development and how rural people adapt to change.

250 Light Horse Production and Management. (3) A. History and role of equine industry, breeds of horses and ponies for work and pleasure. Includes management, breeding, pests and care of horses.

263 Seminar in Technical Agriculture. (1) II. For two and four year students who want to study problems in technical agriculture in depth.

270 Farm Dairy Production. (5) II. The dairy cow and her requirements in meeting her potential milk production; principles of milk production; basic practices of feeding, sanitation, housing, dairy cow selection, and production records.

272 Principles of Agricultural Machinery. (3) II. Selection, operation, and maintenance of agricultural machinery used in the production and processing of agricultural products. Student experiences assembling different types of new farm machinery and reconditioning old machinery.

293 Livestock Herdsmanship. (3) A. Basic herd skills and techniques. Student receives experience in grooming, dehorning, castration, artificial insemination, branding, tattooing, vaccination, blood sampling, implanting, performance testing, records, sanitation practices, etc.

300 Travel Study in Agriculture Technology. (3-6) A. A travel course for groups and individuals in agriculture and horticulture to study new and emerging technologies in agriculture and horticulture, structural organizations of agricultural enterprises, and professional and inter-personal relationships. May be retaken once.

301 Directed Work Experience. (1-4) I, II. Cross listed as OHO 301. A minimum of three hours per week of work on the college farm or an approved farm. Two months of full-time employment in an approved agribusiness may be substituted for the work requirement.

302 Directed Work Experience—Management Practicum. (3) I, II. Student will schedule nine hours of work per week during the semester on a University farm to practice management and production skills related to a livestock herd or machinery operations. Options may be taken to a maximum of 12 hours.

302A Agricultural Mechanization Option
302B Beef Cattle Option
302C Swine Option
302D Dairy Cattle Option
302E Crops Option

304 Pest Management. (4) A. Identification of the Principal Agriculture and Horticulture insect disease and weed pests in Kentucky. Control measures are identified with special emphasis on the safe use of chemicals and equipment calibration.

308 Introduction to Agribusiness (3) I. Agribusiness environment involved in farm production including principles of farm business management; role of agriculture in the economy, agricultural organizations, and land utilization.

310 Principles of Farm Management. (3) A. Formerly AGR 345. Prerequisite: AGR 308. Organization and management of farms; cost of production; profits; types of farming; soil management, cropping systems and livestock enterprises.

312 Advanced Crops; Forage Crops. (3) II. Cultural practices and principles of forage crops, especially grasses and legumes suited to Kentucky farms.

315 Technical Soils Laboratory. (2) I, II. Prerequisite: AGR 215. A soils skill course, recognizing physical characteristics of soils, study of soil types, reading a soil survey map, soil sampling and testing, determining amounts of lime and fertilizer, and applying soil conservation practices.

317 Soil Classification and Morphology. (2) A, I. Comprehensive soil survey system, identifying physical properties and acidity of the epipedons and subhorizons of the soil profile and assigning classification designations.

318 Soil and Water Relationships. (2) A, I. Characteristics and behavior of soil water, vapor, and liquid losses of soil water, practices amending the soil water regime, erosion control and irrigation.

321 Feeds and Feeding. (4) I. Formerly AGR 221. Feeds used in livestock feeding; including harvesting, storage, feeding characteristics, and ration formulation from these feedstuffs.

324 Beekeeping Methods. (3) II. Establishing an apiary, maintaining and increasing bee colonies, utilizing bees for pollination, methods of handling bees safely, harvesting and processing honey.

325 Beekeeping Laboratory. (2) A. Prerequisite: AGR 324. A course designed to develop skills in beekeeping, harvesting and extracting honey, and general bee maintenance.

327 Beef Production. (4) I. Prerequisites: AGR 293 and 321. History, importance, and trends associated with the beef cattle industry; systems of selection, breeding, feeding, and management of beef cattle.

328 Swine Production. (4) A. Prerequisite: AGR 321. Types and breeds of swine, selection; breeding, feeding, disease control.

330 Meat Identification and Consumer Evaluation. (2) I, II. Principles of grading, cutting, identifying, pricing, and consumer evaluation of beef, pork, and lamb carcasses, the respective cuts and related products.

332 Poultry Production and Management. (3) A. Prerequisite: three hours of animal science. History and importance of the poultry industry; breeds, breeding, feeding, and management in the layer and broiler industry.

340 Conservation of Agricultural Resources. (3) A. Conservation of soils and their fertility; erosion and control; soil conservation methods for individual farms; water supply and distribution, problems of water and air pollution; problems resulting from the population explosion.

344 Production of Economic Crops in Kentucky. (3) A. Production of field and forage crops, identification, economic importance, production and harvesting techniques. Trial plots will be grown of all crops important to Kentucky.

349 Cooperative Study in Agriculture. (1-8) A. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

362 Hydraulic Systems. (2) A. A study of basic principles of hydraulic systems and their application to agricultural and turf equipment. Lab experiences will provide familiarity and practice with equipment.

372 Topics and Laboratories in Animal Science. (1-2) A. May be taken to a maximum of two hours, provided the topics are different.

372A Feeds and Feeding Laboratory.

372F General.

373 Animal Diseases. (3) I. Prerequisite: six hours of animal science. Treatment, prevention and eradication of infectious and parasitic disease of farm animals.

374 Genetics of Livestock Improvement. (3) II. Prerequisite: six hours of animal science. Applied genetic principles of feeding and improving of farm animals including crossbreeding, inbreeding, and other mating plans.

375 Reproduction and Artificial Insemination of Domestic Animals. (3) A. Prerequisite: six hours of animal science. Reproductive systems, study and practice of artificial insemination and pregnancy diagnosis of domestic animals.

376 Anatomy and Physiology of Domestic Animals. (3) A. Prerequisite: six hours of animal science. Fundamental physiological processes of livestock relating to production, nutrition, and diseases.

380 Technical Management of Dairy Cattle. (5) I. Prerequisites: AGR 270 and AGR 321. A continuation of AGR 270 with a greater emphasis on herd management, feeding systems, sanitation, and disease control; planning housing facilities, producing quality forages and pastures, herd improvement.

383 Diesel Power Systems. (3) I. Study of the operation, maintenance, and repair of agricultural diesel powered systems; Includes electrical systems, fuels, injection pumps, and nozzles; laboratory practice.

394 Agricultural Equipment Management. (3) A. Selection of equipment on the basis of capacity, efficiency, power and fuel requirements, fixed and variable costs. Product presentation based on user needs and interests; organization of agricultural equipment dealerships.

409 Agriculture Business Records and Analysis (3) I. Prerequisites: ACC 201 and AGR 310. Selection, management and analysis of record system for decision making involving organization, enterprises, operation and financing of agribusinesses.

410 Special Problems Seminar. (1-3) I, II. Cross-listed as OHO 410. Students choose a problem and work under the supervision of the instructor in the field of the problem. Credit granted for only one cross listed course. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

411 Seminar on Emerging Agricultural Technology. (1) II. This course provides students an opportunity to study managerial, technological, and consumer trends in agriculture.

416 Soil Fertility. (3) A. Prerequisite: AGR 215. Various soil amendments including lime, organic and inorganic fertilizers, and conditioners are studied and evaluated for their effect on the physical, chemical, and biological properties of soils and subsequent crop yields.

421 Animal Nutrition. (3) II. Prerequisites: AGR 321 and chemistry. Principles of nutrition basic to modern livestock feeding; symptoms of nutrient deficiencies, nutritional disorders, metabolism of nutrients, feed additives, feed laws and regulations, and modern methods of feed preparation and feeding.

440 Agricultural Financing. (3) II. Uses and types of agricultural credit, credit institutions, and relating credit needs to farm enterprises.

501 Special Problems in Agriculture. (3) A. A course for exceptional seniors involving independent study and research related to problems of a theoretical and/or practical nature. May be retaken to a maximum of six hours. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

570 Advanced Study in Technical Agriculture. (3-9). Advanced technical study with emphasis upon updating technology and development of understanding and technical competency in:

570B Agricultural Mechanization. (3) A.

570D Farm Livestock Management. (3) A.

577 Workshop in the Conservation of Natural Resources. (3) A. For teachers returning for graduate work. Instruction is given in the areas of soil, water, fish and wildlife, forest conservation, and methods of teaching related units at the elementary and junior high level.

GRADUATE COURSES

701 Special Problems in Agriculture. (3) A.
770 Advanced Study in Technical Agriculture. (3-9) A.
770B Agricultural Mechanization. (3) A.
770D Farm Livestock Management. (3) A.
777 Workshop in the Conservation of Natural Resources. (3) A.
807 Advanced Technical Study in Agriculture Problems. (1-3) A.

OHO—Ornamental Horticulture

131 Principles of Plant Propagation. (4) I. Principles and techniques of plant reproduction, including soil-water-temperature-plant relationship, methods of propagation and growth habit, adaptations, and uses.

214 Principles of Horticultural Mechanics. (4) A. Principles of operation and maintenance of gasoline and electric motors; basic wiring circuits, automatic controls for greenhouse and nursery heating, ventilation, and misting systems. Practical experience in preventive maintenance and adjustment of equipment.

261 Selection and Use of Deciduous Trees and Shrubs. (2) I. Characteristics of identification and criteria for landscape use of deciduous tree and shrub cultivars adapted to Kentucky.

262 Selection and Use of Evergreen Trees and Shrubs. (2) II. Characteristics of identification and criteria for landscape use of tree and shrub cultivars adapted to Kentucky.

271 Nursery Management. (5) I. Cultural practices of propagating and growing evergreen, deciduous trees, shrubs, and hardy perennials to transplanting size using structures and facilities not including the greenhouse. Students spend considerable time in the nursery.

283 Bedding Plant Production. (3) II. Cultural practices of propagation and growing annuals and perennials to outdoor planting size, using structures and facilities necessary for production. Students will propagate and produce bedding plants and prepare outdoor plantings.

301 Directed Work Experience. (1-4) I, II. Cross listed as AGR 301. A minimum of three hours per week of work on the college farm or an approved farm. Two months of full-time employment in an approved agribusiness may be substituted for the work requirement. Credit granted for only one cross listed course.

302 Directed Work Experience—Management Practicum. (3) I, II. Nine hours of work per week during the semester in the greenhouses, nursery, landscape or turf areas involving management and production skills. Each option or combination may be taken for a maximum of 12 hours.

302H Nursery Option.

302I Landscape Option.

349 Cooperative Study in Horticulture. (1-8) A. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

351 Turfgrass Ecology and Morphology. (4) II. Interrelations of environmental factors and management practices as they affect growth and survival of turf grasses.

352 Horticulture Equipment. (2) A. Prerequisite: AGR 213 or instructor approval. The selection, operation, and maintenance of equipment and engines used in establishing and maintaining landscape areas.

362 Topics in Landscape Gardening. (1-6) A. Students may enroll up to six times for a total of six credits.

362A Home Landscape Option.

362D Disease and Insect Control Option.

362E Floral Design Option.

362F Lawn Establishment and Maintenance Option.

362G Problems of Golf course Operation Option.

362I Irrigation Systems Option.

362K Interior Plantscaping Option.

363 Retail Florist Operation. (3) A. Prerequisite: OHO 362E or prior floral design experience. The retail florist business as it relates to locating, starting, and operating a retail floral establishment; practice with advanced techniques of floral design; field study of operating businesses.

364 Advanced Floral Design. (2) A. Prerequisite: OHO 362E. The study and practice of advanced floral design techniques; includes construction of conventional and contemporary floral designs. 1 Lec/2 Lab.

370 Landscape Operations Management. (3) II. Management of labor, estimating and bidding along with basic maintenance of trees, shrubs, and turf in the landscape operation.

373 Fruit Production. (3) A. Planning, planting and growing fruits. Pruning, training, fertilizing, controlling pests, and harvesting for quality of bush and tree fruits.

384 Greenhouse Floral Crops. (3) A. The study of specialized greenhouse floral crops and methods of producing them; includes bed and container growing, production cycles to meet peak demands and marketing techniques.

385 Production of Foliage Plants. (3) A. Identification of green foliage plants, usually called houseplants; propagation techniques, rooting mediums, disease and insect control, and arranging plants in planters and baskets for marketing.

386 Vegetable Production. (3) A. Vegetable growth and development, growing from seed, managing soils, planting, mulching, controlling pests, harvesting, handling, marketing, and storing of most vegetable crops.

388 Greenhouse Operation and Management. (3) II. Prerequisite: Either OHO 283, 384, 385, or 386. Plant propagation and growing techniques in a greenhouse. The student learns operation procedures and the economics of operating a greenhouse and using cold and hot frames.

389 Greenhouse Management Practicum. (3) I, II. Prerequisite: OHO 388. Management of the greenhouse; students work nine hours per week in the greenhouses to practice management and production skills.

391 Landscape Methods and Related Businesses. (3) I, II. Prerequisite: OHO 261 or 262. Elements of design and the execution of the landscape architect plan. Additional emphasis will be placed on occupations related to ornamental horticulture including industrial grounds management.

410 Special Problems Seminar. (1-3) I, II. Cross Listed as AGR 410. Students choose a problem and work under the supervision of the instructor in the field of the problem. Credit granted for only one cross listed course. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSE

807 Advanced Technical Study in Horticulture Problems. (1-3) A.

DEPARTMENT OF

HOME ECONOMICS

B. Powers, Chair; Blackwell, Burkhart, Creamer, Evans, Kipp, Kubiak, Linnenkohl, McCarthy, Sharon-Sage, Snarr, Spencer, Springate, Sutton, Vachon, Warner, Willis, Wilson.

The Department of Home Economics offers general and specialty programs leading to Bachelor of Science, Associate of Arts, and Associate of Science degrees. Graduates of this department qualify for a variety of professional positions in education, government, business, military, and industry.

Curricula requiring an area major are: child and family studies, clothing construction and design, dietetics, fashion merchandising, general home economics, home economics education, and interior design. The first major in foodservice administration requires a minor in business.

Students majoring in other departments may elect a second major or minor in a specialty field in home economics. Area majors in the Department of Home Economics may elect a minor in a specialty field.

Two Associate of Science degree programs are offered: child care and nutrition care. An Associate of Arts degree is offered in interior design. Courses completed in an associate degree program may be credited toward meeting requirements in the corresponding baccalaureate level major.

Students following an area of concentration, first or second major, minor, or associate degree program must maintain a "C" average in departmental courses (CDF, HEC, IDH, NFA, and TCF prefixes).

Students in baccalaureate degree programs must complete nine hours of the following departmental core courses if not included in the major requirements: CDF 132 or 331; HEC 352, IDH 121, NFA 201, and TCF 101, 201, or 302.

The Child and Family Studies major educates students to fill a variety of occupations in human service fields involving children and their families. Such opportunities exist in early childhood and day care programs, adult education centers, and in social service and governmental agencies.

Child and Family Studies
AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements . . . . . 48 hours
CDF 132, 232 or 331, 244, 245, 247, 348, 350, three hours from CDF 241, 342, 441; three hours from CDF 344, 346, 547; three hours from CDF 437, 533, 534, 537, 538, 548; nine hours CDF electives; and six hours from HEC 352, IDH 121, NFA 201; and TCF 101, 201, or 302.

Supporting Course Requirements . . . . . 6 hours
PSY 202 and SED 104.

General Education Requirements . . . . . 55 hours
Standard General Education Program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives . . . . . 19 hours

Total Curriculum Requirements . . . . . 128 hours

Clothing Construction and Design
AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **57 hours**
ART 100, 101, TCF 101, 102, 201, 203, 219, 301, 305, 310, 312, 410, 411, 412, 415, 510, THE 320, and six hours from the following: CDF 132 or 331, HEC 352, IDH 121, NFA 201.

Supporting Course Requirements ..... **9 hours**
CHE 101 and 102.

General Education Requirements ..... **46 hours**
Standard General Education Program, excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **16 hours**

Total Curriculum Requirements ..... **128 hours**

The Department of Home Economics offers a 2+2 program in dietetics to provide continuity so that a student completing the two-year program may continue into the four-year program, provided the student meets academic requirements. All students in the dietetic programs (two- and four-year) take the same courses during the first two years. The general dietetics program is an American Dietetic Association approved program and features early exposure to professional dietetic courses in both a didactic and clinical setting. Before students may enter the four-year program they must have applied and been approved by a majority of NFA faculty for admission to the general dietetic program. Prior to approval no 400 or 500 level courses in the major may be taken. Criteria for admission to the program include:

1. Have no grade in NFA courses less than a "C."
2. Have a minimum overall grade point average of 2.5 on a 4.0 scale.
3. Have completed a minimum of 60 semester hours.

General Dietetics (2+2)
AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **55 hours**
HEC 303; NFA 121, 201, 202, 301 or CHE 330; NFA 302, 303, 317, 321, 323, 325, 326, 345, 346, 349 (one hour), 445, 446, 501, 502, 503, 511, 512, 515 (one hour), and six hours from CDF 132 or 331, HEC 352, IDH 121, and TCF 101, 201, or 302.

Supporting Course Requirements ..... **34 hours**
BIO 273 or EHS 380 and one hour biological lab science, BIO 301, CHE 101, 102; CSC 171 and 172 or STA 209 and 210; ECO 130, MAT 105, 107, or 165, MGT 300, PSY 202, and SOC 131 or ANT 120 or GSS 142.

General Education Requirements ..... **37 hours**
Standard General Education program, excluding course categories 9, 12, 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **2 hours**

Total Curriculum Requirements ..... **128 hours**

Fashion Merchandising
AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **59 hours**
ACC 201; nine hours from MGT 300, 330, 480 or MKT 300, 310, 315, 320, 324; TCF 101, 201, 219, 301, 319, 339, 349**, 413, 414; nine hours from TCF 102, 310, 410, 415, 508, 510; and six hours from CDF 132 or 331, HEC 352, IDH 121, NFA 201.

Supporting Course Requirements ..... **12 hours**
CHE 101, 102; ECO 230.

General Education Requirements ..... **46 hours**
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **11 hours**

Total Curriculum Requirements ..... **128 hours**

**TCF 349—two hours at sophomore level.

General Home Economics
AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **50 hours**
HEC 300, 353, 453, six hours restricted home economics electives**; 18 hours in each of the two areas of concentration in home economics***.

Areas of Specialization

Child Development and the Family
CDF 241, 244, 245 or 344, 247, 342, three hours electives from CDF 132, 232, or 331.

Home Economics and Interior Design
HEC 351, 352, IDH 250, 320, six hours electives from IDH 121, 222, 321.

Nutrition and Foodservice Administration+
NFA 121, 201, 321, nine hours electives from NFA 301, 302, 303, 304, 317, 323, 325, 326, 345, 346, 445, 446, 501, 505, 507, 509, 511, 512.

Textiles, Clothing and Fashion
TCF 101, 102, 201 or 302, nine hours electives from TCF 203, 219, 305, 312, 411, 412.

Supporting Course Requirements ..... **4 hours**
CHE 101.

General Education Requirements ..... **51 hours**
Standard General Education program, excluding course category 14. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives** ..... **23 hours**

Total Curriculum Requirements ..... **128 hours**

** Nine hours of the following must be completed if not included in the emphasis selections: CDF 132 or 331; HEC 352; IDH 121; NFA 201; TCF 101, 201, or 302.

*** Home Economics specialization to be fulfilled through completion of a minimum of 18 hours in each of two areas of specialization.

**** With optional 18 hour public relations minor five hours of free electives.

+ **Note:** Students selecting nutrition and foodservice administration must select CHE 102 and BIO 301, and BIO 378 or 273 to complete their General Education Natural Science requirement. These science courses are prerequisites for all upper division NFA courses.

The Department of Home Economics in cooperation with the College of Education, offers this program which leads to a Bachelor of Science degree and certifies qualifying graduates to teach vocational home economics at the secondary school and the middle school level. Students must also have the equivalent of 1000 hours of supervised gainful employment occupational work experience.

In order to be admitted to the home economics teacher education program, students must have a 2.25 grade point average. The grade point average required for student teaching is 2.5 overall. Students must complete the competency examinations and the National Teachers Examination in order to graduate.

Home Economics Education (Teaching)

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **48 hours**
CDF 132, 244, 241 or 331 or 342, HEC 352, 353, 453, IDH 250, 320, NFA 121, 201, 321, TCF 102, 201, and nine hours departmental electives.

Supporting Course Requirements ..... **13 hours**
BIO 301, 378; CHE 101, 102.

Teacher Education Requirements ..... **32 hours**
EDF 102, 202, 317, EMG 447, ESE 366, 453, 498, 499.

General Education Requirements ..... **43 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... **136 hours**

In addition, the student shall complete 1,000 hours in approved work experience in homemaking and home economics related occupations the competency examinations and the National Teacher Examination.

A graduate of the Bachelor of Science interior design program (which is interdisciplinary in nature) will be qualified to obtain employment as an apprentice designer with interior design firms, architectural firms, design specialists in all areas, either residential or contract. With two years of experience in the interior design field, the graduate of this program will be prepared to take the National Council of Interior Design Qualification Examination.

Interior Design

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **64 hours**
IDH 121, 222, 321, 322, 324, 326, 327, 328, 329, 330, 422, 426, 428**, IET 190 or 191, 332, 391, 394, 496; one hour in OHO 362A, or 362E or 362K; TCF 302; three hours from CDF 132 or 331, HEC 352, NFA 201.

Supporting Course Requirements ..... **18 hours**
ART 100, 102, 103, 390, 391; three hours in OAD 254 or MGT 300 or MKT 304.

General Education Requirements ..... **49 hours**
Standard General Education program, excluding course categories 07 and 08. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... **131 hours**

** Students must have 2.25 overall grade point average with no individual course grade below a "C" in IDH courses to enroll in IDH 428. Students not meeting these requirements will take other IDH electives or repeat IDH required courses to meet this criteria.

Foodservice Administration

FIRST MAJOR (BACHELOR OF SCIENCE) WITH A REQUIRED MINOR IN BUSINESS

Major Requirements ..... **37 hours**
HEC 303; NFA 121, 201, 321, 323, 325, 326, 345, 346, 349, 445, 446, 555; six hours selected from CDF 132 or 331, HEC 352, IDH 121, TCF 101 or 201 or 302.

Supporting Course Requirements ..... **31 hours**
BIO 273 or EHS 380 and BIO 378; BIO 301; CHE 101, 102; CSC 171 and 172 or STA 209 and 210; FIN 300; MGT 480; MKT 300; PSY 202.

Business Minor Requirements ..... **18 hours**
ACC 201, 202, ECO 230, 231, MGT 300, 320.

General Education Requirements ..... **34 hours**
Standard General Education program, excluding course categories 3, 9, 12, 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **8 hours**

Total Curriculum Requirements ..... **128 hours**

SECOND MAJOR IN SPECIALTY FIELD OF HOME ECONOMICS

A student with a major outside the Department of Home Economics may pursue a second major in a specialty field of home economics by completing major requirements and supporting course requirements approved by the departmental chair and Dean of the College of Applied Arts and Technology.

MINORS IN HOME ECONOMICS

Departmental majors may complete, in addition to major requirements, 18 hours in a specialty other than the major upon approval by the advisor, departmental chair, and Dean of the College of Applied Arts and Technology.

Non-departmental majors may minor in areas of Home Economics by completing the prescribed sequence.

Minor in Child and Family Studies ..... **18 hours**
CDF 132, 241, 244, 245, 342, and NFA 201.

Minor in Clothing ..... **18 hours**
TCF 101, 102, 201, 203; six hours selected from TCF 305, 310, 312, 411, 412, 510.

Minor in Fashion Merchandising ..... **18-20 hours**
TCF 101, 201, 219, 319, 339, 413, 517, and 519.

Minor in Foodservice Administration ..... **18 hours**
NFA 121, 201; 12 hours selected from NFA 323, 325, 326, 345, 346, 445, 446.

Minor in General Home Economics ..... **18 hours**
HEC 351, 352, IDH 250, 320, NFA 121, and TCF 102.

Minor in Interior Design ..... **18 hours**
IDH 121, 222, 250, 320, 324, and TCF 302.

Minor in Nutrition ..... **18 hours**
NFA 121, 201, and 12 hours selected from NFA 301, 302, 303, 317, 501, 502, 503, 505, 507, 509, 511, 512.

Minor in Textiles ..... **18 hours**
TCF 101, 201, 301, 410, 508, and three hours approved TCF electives.

The Associate of Science in Child Care degree is designed for person desiring academic preparation to teach or assist in programs for preprimary age children (birth through five). Such programs include day care, Head Start, nursery schools, private kindergartens and after-school programs. These individuals may also work in a variety of family service settings.

Child Care

ASSOCIATE OF SCIENCE

Major Requirements ..... **33 hours**
CDF 132, 241, 244, 245, 247, 344, 348, 350, NFA 201, three hours from CDF 232, 331, and 342.

Supporting Course Requirements ..... **34 hours**
ELE 322, PSY 202, SED 104, ATO 100*, six hours of English composition*, SPE 100*, six hours general education social science* (three hours from 09 and three hours from 10 or 11), three hours general education humanities*, BIO 300* or BIO 317*, and four hours restricted electives*.
Total Curriculum Requirements ..... **67 hours**

Nutrition care is an Associate of Science degree option of dietetic technology. The curriculum integrates clinical and didactic components of nutrition care, preparing graduates to work under the supervision of registered dietitians in hospitals, nursing homes, and other health-oriented agencies.

Nutrition Care
ASSOCIATE OF SCIENCE

Major Requirements ..... **30 hours**
HEC 303, NFA 121, 201, 202, 218, 302, 303, 317, 319, 321, 325, 326, and 349 (one hour).
Supporting Course Requirements ..... **38 hours**
ATO 100*, BIO 301*, CHE 101*, 102*, six hours of English composition*, three hours general education humanities*, MAT 105 or 107 or 165, MGT 300, PSY 202, SOC 131 or ANT 120 or GSS 142*, and four hours restricted electives*.
Total Curriculum Requirements ..... **68 hours**

A graduate of the Associate of Arts degree program in Interior Design may (1) be employed as an assistant to an interior designer, (2) be hired by retail stores as a consultant to consumers in the furniture, draping, and houseware areas, or (3) be self-employed. Other students will select this program for personal benefit.

Interior Design
ASSOCIATE OF ARTS

Major Requirements ..... **36 hours**
IDH 121, 222, 322, 324, 326, 327, 328, 330, IET 190 or 191, 391, 394, and TCF 302.
Supporting Course Requirements ..... **31 hours**
ART 100*, 102, 390*, and 391*, ATO 100*, six hours of English composition*, HPR 180*, 181*, MAT 100*, three hours general education social science*, and four hours restricted electives*.
Total Curriculum Requirements ..... **67 hours**

The Department of Home Economics offers the Master of Science degree in community nutrition which is designed to prepare professionals for nutrition positions in a variety of community health agencies.

The Department of Home Economics also provides courses at the graduate level in child and family studies; general home economics; interior design and housing; nutrition, foods and food administration; and textiles, clothing, and fashion.

The Master of Arts in Education degree with an option in home economics education is offered in the College of Education with the cooperation of the Department of Home Economics.

Course Descriptions
CDF—Child and Family Studies

132 Family Living. (3) I, II. Stages of development of the individual family members and of the family as a unit; biological, cultural, and personal accomplishments (developmental tasks) of the family throughout the life cycle will be emphasized. Credit will not be awarded for both CDF 132 and SOC 245.

232 Identity and Sexuality. (3) I, II. An exploration of the changing attitudes about and among men/women and their effect on choices and interpersonal relationships. Emphasis will be on promotion and maintenance of positive mental, physical, emotional, and sexual development. Credit will not be awarded for both CDF 232 and HEA 375 or PHI 350.

241 Prenatal and Infant Development. (3) I, II. Growth and development from conception to three years.

244 Development of the Preschool Child. (3) I, II. Prerequisite: CDF 241 or instructor approval. Age level characteristics and theory pertinent to the preschool child. Special emphasis on observational assessment skills and the construction of individual case studies.

245 Program Planning for Young Children. (3) I, II. Prerequisite: CDF 241, 244, or instructor approval. Survey of learning experiences in various curriculum areas. Planning activities, including techniques and materials, to provide environment appropriate to the age and background of young children. 2 Lec/2 Lab.

247 Parent Involvement with Young Children. (3) I, II. Prerequisites: PSY 201 or 202 and CDF 241 or 244. Study of effective home-school relations during the early childhood period. Methods and materials useful in working with parents. Experiences include observation of parent meetings, planning discussion groups, home visits, and parent conferences.

331 Marriage: Establishing Interpersonal Relations. (3) I, II. Prerequisite. second semester sophomore standing. Factors influencing marital adjustment, their relationship and implications for a successful life.

342 Child and Adolescent Development. (3) II. Prerequisite: CDF 241. Physical, mental, emotional, and social development of the child from school age to adolescence, case studies, observations, and participation experiences with children culturally advantaged and disadvantaged.

344 Infant Education. (3) A. Prerequisite: CDF 241 Current programs, techniques, and research relating to infant stimulation. Emphasis on home intervention theory and practices, screening procedures for at-risk infants, and the parent-infant dyad.

346 Assessment, Creative Materials and Concept Development. (3) A. Prerequisites: CDF 244 and 245, or instructor approval. Survey of theories related to concept development and skills acquisition for young children. Detailed overview of materials in program planning based on informal and formal assessments of children's identified strengths and needs.

348 Introduction to Preschool Experiences. (3) I. Prerequisites: CDF 244 and 245. Examination of models of preschool education including history, goal, philosophies, material, environments, and methods of child management. Designed to serve as preparation for practical experience in early childhood setting.

349 Cooperative Study in Child Development. (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit. Maximum of three hours may be counted in major requirements toward degree.

350 Preschool Experience. (6) I, II. Prerequisites: CDF 348 or concurrent enrollment, CDF 244, 245, and 2.0 cumulative GPA and a minimum grade of "C" in all courses with CDF prefix. Practicum in preschools focusing on structuring the environment, directing learning experiences, developing techniques for guiding young children, and arranging effective communication for parent involvement. Meetings for planning, discussing, and making decisions relative to preschool operation.

437 Families Under Stress. (3) A. Prerequisite: CDF 132 or instructor approval. A detailed examination of family functioning under crisis situations The impact of death, divorce, middle age, unemployment, single parenthood, displacement, and disability on individual members of the family will be considered.

441 Adulthood and Aging. (3) A. Individual and familial development from young adulthood through death. Particular focus on changing family roles as members age. Emphasis on social changes affecting life satisfaction, living environments, and social relations of the middle-aged and elderly.

443 Child and Family Studies Practicum. (4) A. Prerequisite: completion of two or three hours of relevant coursework approved by departmental advisor. Supervised practicum experience in settings serving children and/or their families.

533 Marital Communications. (3) A. Prerequisite: instructor approval. The married person, self-concept and self-system in relation to communication; techniques of family communication.

534 Parenting. (3) A. Prerequisites: CDF 132, 241, 244 or equivalent; instructor approval. A survey of techniques designed to promote effective parenting skills. The course will focus on methods of parent guidance and common problems encountered by parents at all stages of the child-rearing sequence.

537 Marital and Family Relationship in the Retirement Period. (3) A. Prerequisite: instructor approval. The senior citizen and the transition in family ties, anxieties, attitudes, behavior, and marital life.

538 Seminar in Family Life. (1-3) A. Prerequisite: instructor approval. Students will concentrate their interests in an intensive study of specific areas of the family and its interpersonal relationships. May be retaken to a maximum of six hours provided the topics vary.

547 Organization and Administration of Preschools. (3) II. Prerequisite: CDF 245. Study of the history of preschool education and its present organization and administration.

548 Seminar in Child Development. (3) II. Prerequisite: CDF 241, 244, six hours in CDF or instructor approval. Current concepts and trends in child development, recent research, and literature.

549 Special Problems in Child Development. (1-3) A. Prerequisites: instructor approval and a 3.0 GPA (major). May be retaken to a maximum of six hours providing topics vary. The student chooses a problem and works under the supervision of the instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

550 Child and Family Studies Workshop. (1-3) A. Study of various topics in Child and Family Studies selected to meet student needs and interests. May be retaken to a maximum of six hours providing workshop topics vary.

GRADUATE COURSES

733 Marital Communications. (3) A.
734 Parenting. (3) A.
737 Marital and Family Relationship in the Retirement Period. (3) A.
738 Seminar in Family Life. (1-3) A.
747 Organization and Administration of Preschools. (3) II.
748 Seminar in Child Development. (3) II.
749 Special Problems in Child Development. (1-3) A.
750 Child and Family Studies Workshop. (1-3) A.
831 Relationships in Marriage and Family. (3) A.

HEC—Home Economics, General

200 Issues in Home Economics, (2) A. Formerly HEC 300. Identification and analysis of past and current issues, public policy, developing trends and the impact of technology. Examination of the philosophy and scope of home economics professions.

300 Professional Seminar. (2) A. Formerly HEC 200. Seminar on professional opportunities in home economics via a systematic overview of the areas of specialization and a study of their interrelationships. Introduction to techniques of preparing for interviews, writing letters of application, resume.

301 Research in Home Economics. (2) A. Survey of recent research and its implications. Students will study methods and techniques of research and apply to individual research projects.

303 Dissemination of Home Economics Information. (3) II. Dissemination of information for clientele in the field of home economics. Selection and utilization of resource materials in specific areas.

349 Cooperative Study in Home Economics. (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

351 Household Equipment. (3) II. Selection, use, and maintenance of household equipment and appliances. Fundamentals of gas and electricity; energy efficiency in the home.

352 The Family as Consumers. (3) I, II. Current consumer behavior by families in the marketplace. Emphasis on fraudulent schemes, current issues, laws, and organizations affecting the interests of the family as consumers.

353 Home Management. (3) I. Formerly HEC 330. Concepts and processes of home management as a means of achieving family goals. Effective use of human, economic, and environmental resources; work simplification principles applied to household work.

453 Home Management Experience. (3) I, II. Prerequisites: NFA 321, HEC 351 and 353. Students may enroll for a total of three hours credit.

453A Turley House Residence. Management of time, money, and energy as related to home environments; projects assigned. Students will reside and participate in experiences in Turley House. Reservations are made one semester in advance.

453B Turley House Residence Participation. Management of time, money, and energy as related to home environments. Married students participate in experiences in Turley House but reside in their own homes. Reservations are made one semester in advance.

453C Family Management Experience. Management of time, money, and energy as related to home environments. Married students fulfill approved experiences in their own homes. Enrollment approval by departmental chair one semester in advance.

550 Home Economics Workshop: _____. (1-3) A. Workshops on selected topics in home economics. May be retaken to a maximum of six hours provided topics vary.

555 Seminar in Consumer Economics. (3) A. Prerequisite: HEC 352 or equivalent. Reports and discussion on topics of concern to consumers; legislation affecting consumerism; resources available to consumers; consumer rights and responsibilities.

556 Special Problems in Family Economics and Management. (1-3) A. Prerequisite: instructor approval. The student chooses a problem and works under the supervision of the instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours provided topics vary.

GRADUATE COURSES

750 Home Economics Workshop. (1-3) A.
755 Seminar in Consumer Economics. (3) A.
756 Special Problems in Family Economics and Management. (1-3) A.

IDH—Interior Design and Housing

121 Survey of Interior Design. (3) I, II. An orientation to the profession: relationship to allied fields, contemporary developments, professional organizations, career options and philosophical approaches. Introduction to the principles and elements of design, programming, space planning, and decorative ornamentation.

222 Studio I: Visual Studies and Design Application. (3) I. A study of spatial organization, psychology, theory, and terminology of color. Practical application will reflect color theories and emphasize principles and elements of design with model building and various media.

250 The Residential Environment. (3) I. Concepts influencing housing: family values and needs with emphasis on residential environment. Original plans include space analysis, room arrangement, equipment, storage created, considering design elements, principles, and objectives. Open only to non-IDH majors.

317 Interior Design Study Tour I. (1-3) A. Prerequisite: completion of freshman year in interior design B.S. or A.A. program. A tour planned for interior design students to observe the operation of establishments involved in production, sales, and/or display of items such as furniture and accessories. Special project required.

319 Seminar in Interior Design. (1-3) A. A study of technical information relevant to interior design. Course content to be determined by student interests and needs. May be retaken to a maximum of six hours provided the content is different.

320 Furnishing the Residential Environment. (3) II. Coordination of furnishings and accessories within the contemporary residential environment; application of design elements, principles, and objectives through laboratory experiences; illustration techniques are utilized. Open only to non-IDH majors.

321 Housing Concepts. (3) II. Economics, environmental, social and political dimensions of housing. A study of housing; norms, types, energy use, tenancy for the future. Open to non-IDH majors.

322 Studio II: Small-Scale Residential Design. (3) I. Prerequisites: IDH 121, 222, and IET 391, or concurrent enrollment in IDH 222 and IET 391. Programming, space planning, and application of design elements and principles in small-scale residential spaces, resulting in appropriate oral and visual presentations.

324 Contemporary Architecture and Interiors. (3) II. Study of styles in architecture, interiors, furniture, accessories, significant architects and designers of the late 19th and 20th centuries with projection for the future.

326 Studio III: Small-Scale Contract Design. (3) II. Prerequisite: IDH 322. Corequisite: IET 394. Programming, space planning, and application of design elements and principles in small scale contract design, resulting in appropriate oral and visual presentations.

327 Historical Architecture and Interiors I. (3) I. Prerequisite or Corequisite: ART 390. Study of architecture, interiors, furnishings of ancient and classical civilizations, Middle Ages, Italian, Hispanic, Asian, and African cultures: their historical significance and application to current design problems.

328 Historical Architecture and Interiors II. (3) II. Prerequisite or Corequisite: ART 391. Study of design in domestic architecture, interiors, furnishings or French, English, and American periods through the 19th century: their historical significance and application to current design problems.

329 Lighting Technology. (3) I. Prerequisite or Corequisite: IET 394. Study of the terminology, psychology, technology, theory and application of lighting systems for residential and contract interiors.

330 The Professional in Interior Design. (3) II. Prerequisite or Corequisite: IDH 326. Objectives, procedures, and ethics for the professional interior designer, with emphasis on professional practice.

349 Cooperative Study in Interior Design. (1-8) A. Work under faculty and field supervisors in placements related to academic studies. One to eight hours per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. Minimum 80 hours work required for each hour credit.

422 Studio IV: Large-Scale Residential/Institutional Design. (3) I. Prerequisite: IDH 326. Advanced programming, space planning, and application of design elements and principles in large-scale residential/institutional design, resulting in appropriate oral and visual presentations.

424 Issues in Interior Design. (3) A. Prerequisite: junior standing or instructor approval. Individual and group investigation of current responsibilities and issues relevant to the field of interior design.

426 Studio V: Large-Scale Contract Design. (3) II. Prerequisite: IDH 422. Advanced programming, space planning, adaptive use, and application of design elements and principles in large scale contract design resulting in appropriate oral and visual presentations.

428 Supervised Field Experience in Interior Design. (6) A. Prerequisites: open to IDH B.S. students only, IDH 326 and 330. In addition, the student must have a 2.25 overall grade point average with no grade below a "C" in IDH courses. Observation of an interior design firm's operation and program, with performance in assigned tasks under supervision. Reservations should be made a semester in advance.

517 Interior Design Study Tour II. (1-3) A. Prerequisite: completion of junior year in interior design. Tour of interior design resources, wholesale and retail showrooms. Study in museums, libraries, and interior design centers when possible. Special study projects.

519 Special Problems in Interior Design. (1-3) A. Prerequisite: senior standing or instructor approval. An appropriate problem is proposed in consultation with an advisor/instructor and completed under supervision. May be retaken to a maximum of six hours provided topics vary. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

521 Analytical Furniture Design. (3) A. Prerequisite: senior standing or instructor approval. Analysis of furniture design in terms of integration of function and style with structure; coordination of furniture style with interior architectural expression.

525 The Decorative Arts. (3) A. Furniture and accessories of the 18th, 19th, and 20th centuries with emphasis upon the influence of major designers and their interpreters, their stylistic characteristics and technical habituations.

550 Interior Design Workshop. (1-3) A. A workshop course designed to offer specialized expertise in numerous areas related to the discipline of Interior Design. May be retaken to a maximum of six hours provided workshop topics vary.

GRADUATE COURSES

717 Interior Design Study Tour II. (1-3) A.
719 Special Problems in Interior Design. (1-3) A.
721 Analytical Furniture Design. (3) A.
725 The Decorative Arts. (3) A.
750 Interior Design Workshop. (1-3) A.
826 Experimental Design and Architectural Interiors. (3) A.

NFA—Nutrition, Foods, and Food Administration

121 Introduction to Food Composition and Preparation. (3) I, II. Composition of foods and their properties as they affect preparation. Scientific principles of food preparation.

201 Essentials of Nutrition. (3) I, II. A scientific study of the essential nutrients and their application in meeting nutritional needs of all ages. Consideration is given to food selection, nutrition misinformation, obesity, and other common dietary problems.

202 Introduction to Dietetics. (1) I. A professional orientation course describing the roles of the practitioner in administrative, clinical, and community dietetics, along with relationships to other health professionals.

218 Seminar in Dietetic Technology. (1) A. Corequisite: NFA 319. Reports and discussion on topics relevant to the area of nutrition.

300 Socio-Cultural Aspects of Nutrition. (3) I, II. Social-cultural and psychological influences on the individual, community, and the world nutrition. The strategies to cope with these will be explored.

301 Bio Nutrition. (3) I. Prerequisites: CHE 102 or 112; NFA 201. Structures and chemical properties of CHO, PRO, Fat, and nucleic acids, vitamins, co-enzymes, minerals, and water related to metabolic processes.

302 Diet Therapy. (3) A. Prerequisite: NFA 201. Basic diet therapy and its application to dietary treatment for patients. Nutrition guidance and counseling techniques. Study of specific diseases and relationship of modified diets to overall medical care and/or rehabilitation of the patient.

303 Clinical Experiences in Diet Therapy. (1) II. Formerly NFA 215B. Prerequisite or Corequisite: NFA 302. Supervised student participation in an approved health care facility.

304 Computer Assisted Foodservice Management. (1) II. Prerequisites: NFA 345 and 346. Principles and techniques in computer usage. Systems approach, coding, inventory control, production scheduling, food cost accounting, and patient nutrient intake systems.

317 Nutrition in the Life Cycle. (3) II. Formerly NFA 217. Prerequisite: NFA 201 or instructor approval. Study of dietary needs adapted to periods of the life cycle.

319 Nutrition Care Practicum. (4) A. Prerequisites: NFA 302, 303, and 317. Corequisite: NFA 218. Supervised clinical experience in a health care facility; participating in all phases of nutritional care.

321 Meal Management. (3) A. Prerequisites: NFA 121 and 201. Food management, planning, preparation, and service of meals through management of time, energy, money, and efficient use of equipment. Consideration is given to nutritional needs, food habits, and social customs of family groups.

323 Experimental Foods. (3) I, II. Prerequisites: NFA 121 and CHE 102 or equivalent. Experimental procedures involving methods and techniques and their effects on the quality of products; individual problems dealing with the various aspects of food preparation.

325 Quantity Food Production. (2) I. Formerly NFA 342, NFA 245A. Prerequisites: NFA 121 and 321. Corequisite: NFA 326. Standards, principles, and techniques for managing throughout the functional subsystems of a foodservice setting: emphasis on quality, quantity and cost controls.

326 Field Experiences in Quantity Food Production. (2) I. Formerly NFA 245B. Prerequisites: NFA 121 and 321. Corequisite: NFA 325. Supervised field experience in the technical application of theory presented in NFA 325.

345 Foodservice Systems Management. (2) II. Formerly NFA 345A. Prerequisites: NFA 325, 326, and MGT 300. Corequisite: NFA 346. Application of the systems approach to foodservice with an emphasis on middle management responsibilities related to all foodservice resources; human, material, operation, and physical.

346 Field Experiences in Foodservice Systems Management. (2) II. Formerly NFA 345B. Prerequisites: NFA 325, 326, and MGT 300. Corequisite: NFA 345. Supervised field experience in the technical application of theory presented in NFA 345.

349 Cooperative Study in Nutrition, Foods and Food Administration. (1-8) A. Prerequisite. departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight associate; sixteen baccalaureate. A minimum of 80 hours work required for each academic credit.

445 Foodservice Organization and Management. (2) I. Formerly NFA 541. Prerequisites: NFA 345 and 346. Corequisite: NFA 446. Administrative functions within a foodservice system. Emphasis in top management responsibilities: budgeting, legislation, labor unions, time management, PERT, EOQ, conflict management, energy conservation.

446 Field Experience in Foodservice Organization and Management. (2) I. Formerly NFA 542. Prerequisites: NFA 345 and 346. Corequis-

ite: NFA 445. Supervised field experiences in the technical application of theory presented in NFA 445.

500 Nutrition Concepts and Issues. (3) A. Fundamental principles of human nutrition and their application in meeting nutritional needs of all ages. Not open to dietetic or foodservice administration majors.

501 Human Nutrition. (3) I. Prerequisites: CHE 330 or NFA 301, BIO 301 and NFA 201. Interrelations and functions of nutrients in normal nutrition; relation of nutrient requirements at the cellular level to dietary standards.

502 Therapeutic Nutrition. (2) II. Prerequisites: NFA 317, NFA 301 or CHE 330, NFA 501 or equivalent. Corequisite: NFA 503. Theory and applications of the normal dietary patterns and specific modifications, according to disease processes. Integrates nutritional management, physiological, and biochemical alterations for pathological disorders.

503 Clinical Experience for Therapeutic Nutrition. (1) II. Formerly NFA 502B. Corequisite: NFA 502. Supervised clinical experience in acute and long term health care facilities in which the student will participate in patient interviewing, counseling, observing, and communicating with clinical dietetic professionals, nursing and other health professionals.

505 Maternal and Infant Nutrition. (3) A. Prerequisite: NFA 201. Nutritional requirements prior to and during pregnancy, lactation, and infancy. Survey the effects of dietary toxicants, deficiency and excesses of nutrients. Field experience.

507 Child and Adolescent Nutrition. (3) A. Prerequisite: NFA 201. Nutritional needs, problems, dietary habits, and motivations of the toddler through adolescent years. Field experience.

509 Nutrition and Aging. (3) A. Prerequisite: NFA 201. The theories of causes of aging; nutritional requirements, dietary intakes and effects of nutrition on the rate of biological aging. Field experience.

511 Community Nutrition. (2) II. Formerly NFA 511A. Prerequisite: NFA 201. Corequisite: NFA 512. Analysis of nutrition services and legislation. Survey of roles of the nutritionist in various community settings. Development of resource file and preparation of nutrition education materials for use with different population groups. Planning and conducting nutrition surveys and analysis of data.

512 Laboratory for Community Nutrition. (1) II. Formerly NFA 511B. Prerequisite: NFA 201. Corequisite: NFA 511. Supervised field experience including observation, and participation in various community programs and settings. Experiences in individual and family nutrition counseling.

515 Seminar in Nutrition. (1-3) A. Prerequisites: NFA 501 and instructor approval. Reports and discussions of current problems and research in nutrition.

516 Special Problems in Nutrition. (1-3) A. Prerequisites: NFA 501 and instructor approval. The student chooses a problem and works under the supervision of an instructor. May be retaken to a maximum of six hours provided the topics vary. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

555 Seminar in Food Administration. (1-3) A. Prerequisites: NFA 445 and 446. Reports and discussion of topics relative to the area of food administration. May be retaken to a maximum of six hours provided the topics vary.

556 Special Problems in Food Administration. (1-3) A. Prerequisites: NFA 445 and 446. The student chooses a problem and works under the supervision of an instructor. May be retaken to a maximum of six hours provided the topics vary. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

700 Nutrition Concepts and Issues. (3) A.
701 Human Nutrition. (3) I.
702 Therapeutic Nutrition. (2) II.
703 Clinical Experience for Therapeutic Nutrition. (1) II.
705 Maternal and Infant Nutrition. (3) A.
707 Child and Adolescent Nutrition. (3) A.
709 Nutrition and Aging. (3) A.
711 Community Nutrition. (2) II.
712 Laboratory for Community Nutrition. (1) II.
715 Seminar in Nutrition. (1-3) A.
716 Special Problems in Nutrition. (1-3) A.
755 Seminar in Food Administration. (1-3) A.
756 Special Problems in Food Administration. (1-3) A.
801 Advanced Nutrient Study. (3) A.
802 Advanced Diet Therapy. (3) A.
804 Nutrition Assessments. (3) A.
810 Problems in Nutrition. (3) A.
811 Advanced Community Nutrition. (3) I.
817 Field Experience in Community and Clinical Nutrition. (6) A.
820 Community Nutrition Administration. (3) II.
839 Cooperative Study in Nutrition, Food, and Food Administration. (1-6) A.
841 Volume Foodservice Management. (3) A.
850 Nutrition, Foods, and Foodservice Administration Workshop: _____. (1-3) A.

TCF—Textiles, Clothing, and Fashion

101 Apparel Selection. (3) I, II. Principles of clothing selection including design principles, wardrobe analysis, care and repair of clothing, consumer buying and protection.

102 Introductory Clothing Construction. (3) I, II. Basic principles of clothing construction; selection, alteration and fitting of commercial patterns.

201 Introduction to Textiles. (3) I, II. Introduction to yarns, fibers, fabrics, and finishes, with little physical examination and emphasis on consumer use. 2 Lec/2 Lab.

203 Pattern Alteration and Fitting. (3) II. Prerequisite: TCF 102. A basic study of pattern alteration and fitting using commercial patterns.

219 Fashion and the Industry. (3) I, II. The study of the fashion industry from fiber producer to designer to manufacturer. Includes auxiliary fashion enterprises such as fashion periodicals.

301 Fundamentals of Textiles. (3) I, II. Prerequisites: CHE 102 and TCF 201. A study of fibers, fabrication, and finishes with limited physical and chemical examination.

302 Textiles for Architectural Interiors. (3) I, II. Formerly TCF 402. Characteristics, properties, specifications, and uses of textiles for architectural interiors.

305 Techniques in Apparel. (3) A. Prerequisites: TCF 102 and 203, or instructor approval. Advanced techniques in apparel construction with emphasis on use of special fabrics.

310 Historical Costume and the Social Order. (3) I. History of dress from ancient Egypt through the 20th century. Factors which influence the style of dress are studied and relationship between costume of the past and current modes.

312 Flat Pattern Design. (3) A. Prerequisites: TCF 102 and 203, or instructor approval. A study of the development of original design through flat pattern techniques.

319 Fashion Merchnadising. (3) I, II. Prerequisite: TCF 219. The merchandising of fashion apparel, including planning fashion assortment and budgets, controlling merchandise, buying procedures, vendors and vendor relations. Practice in merchandising mathematics.

339 Visual Merchandising. (3) I, II. Formerly TCF 239. Prerequisite: junior standing or instructor approval. Principles and techniques used in the display of fashion merchandise and their application in planning and actual display of fashion goods for store windows and interiors.

349 Cooperative Study in Textiles, Clothing and Fashion. (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight associate; sixteen baccalaureate. A minimum of 80 hours work required for each academic credit.

410 History of Textiles. (3) II. Prerequisite: TCF 201. The study of the development and economic importance of textiles from prehistoric time to the present.

411 Tailoring. (3) A. Prerequisites: TCF 102 and 203, or instructor approval. Application of tailoring techniques to garments made from commerical patterns.

412 Costume Design Through Draping. (3) A. Prerequisites: TCF 102 and 203 or instructor approval. A study of costume design through application of draping techniques, using the half scale figure.

413 The Professional in Fashion Merchandising. (2) II. Prerequisites: TCF 349 or concurrent enrollment and TCF 319. Insight into problems of store management and personnel training as found in fashion organizations. Preparation for the fashion merchandising practicum including resumes, cover letters, and interviews.

414 Fashion Merchandising Practicum. (10) A. Prerequisites or Corequisites: TCF 349 and 413. Supervised practicum in a retail store studying aspects of the merchandising of textile and clothing products.

415 The Professional in Apparel Design. (3) A. Understanding the relationship of the designer to the apparel industry; fabricating a line, cost accounting, the working sketch, sources of materials and designer inspiration.

508 Textile Testing and Evaluation. (3) A. Prerequisites: CHE 101, 102, TCF 201 and 301. A study of chemical and physical testing of fabrics, detergency, textile legislation and standards. Individual problems and projects.

510 Socio-Psychological Factors of Apparel. (3) A. Prerequisite: TCF 101 or instructor approval. Social, cultural, and psychological factors which influence personal satisfaction in selection and use of apparel.

517 Textiles, Fashion and Merchandising Tour. (1-3) A. Prerequisite: instructor approval. Tour of wholesale and retail outlets in fashion industry centers. Professional exposure to many aspects of the fashion industry. Special study project. May be retaken to a maximum of six hours provided the destinations differ.

519 Special Problems in Textiles. (1-3) A. Prerequisite: instructor approval. The student selects a problem and works under the supervision of the instructor. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours provided topics differ.

GRADUATE COURSES

708 Textile Testing and Evaluation. (3) A.
710 Socio-Psychological Factors of Apparel. (3) A.
717 Textiles, Fashion and Merchandising Tour. (1-3) A.
719 Special Problems in Textiles. (1-3) A.

DEPARTMENT OF

INDUSTRIAL EDUCATION AND TECHNOLOGY

C. Craft, Chair; Becker, Brooker, G. Brown, T. Brown, Chastain, Chowdhury, E. Davis, Fardo, Gilliland, Hansson, Jenkins, Joyner, Kilgore, Lash, Lloyd, J. Luy, Masterson, D. Patrick, Poe, Prewitt, Rowlett, Smathers, A. Spencer, Stratman, Toppen, Torbett.

The Department of Industrial Education and Technology prepares industrial arts teachers for the secondary schools, vocational-industrial and technical teachers for vocational-technical schools, and technicians and technologists for construction and manufacturing industries.

The Bachelor of Science degree in construction technology is a four-year degree designed to prepare students to function in supervisory and management roles in the construction industry. The program provides an understanding of both the technical and management functions in the construction industry. Students also receive foundations in business organization, mathematics, and the sciences. An area major or first major in construction technology may be elected.

The four-year comprehensive area major, specialized area major, and first major in industrial arts education are programs designed to prepare industrial arts teachers to teach technology education subjects at the middle school or senior high school level. The two-year and four-year vocational-industrial and technical education degree programs prepare industrial education teachers who plan to teach industrial education at the preparation level in the high schools, area vocational centers, and state vocational/technical schools in Kentucky. The two-year program is an in-service program, and the four-year program is a pre-service program.

The Bachelor of Science degree in industrial technology is a four-year degree designed to prepare industrial technologists. The degree provides both breadth and depth in technical areas with a foundation in management, mathematics, natural science, social sciences, and communication to prepare the individual to function in an industrial environment. A student can elect to complete an area major, first or second major, or minor in industrial technology.

sciences, and communication to prepare the individual to function in an industrial environment. A student can elect to complete an area major, first or second major, or minor in industrial technology.

The Department of Industrial Education and Technology offers several two-year programs designed to prepare technicians for industry. These programs lead to the Associate of Science degree in:

Computer Electronics Technology
Drafting and Design Technology
Industrial Electronics Technology
Printing Technology
Quality Assurance Technology

Construction Technology

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements . . . . . 54 hours
CON 121, 221, 301, 302, 307, 320, 322, 324, 349 (three hours), 420, 421, 422, 424, 425; IET 190 or 191; IET 356, 394, and OSH 362.

Supporting Course Requirements . . . . . 34 hours
ACC 201; ECO 230; MAT 109 or 107 and 108; MGT 300; PHY 131; GLY 108; CIS 212 or CSC 102; and nine hours from ECO 300, ENG 300, GBU 204, IET 207, 302; INS 370, 376; MAT 121 or 261; MGT 330; OAD 151; RST 310 and 320.

General Education Requirements . . . . . 37 hours
Standard General Education program, excluding course categories 03, 04, 09, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives . . . . . 3 hours
Total Curriculum Requirements . . . . . 128 hours

Construction Technology

FIRST MAJOR (BACHELOR OF SCIENCE)

Major Requirements . . . . . 36 hours
CON 221, 301, 302, 307, 322, 324, 349 (three hours), 421, 422, 424; IET 190 or 191 and 394.

Minor Requirements . . . . . 18 hours

Supporting Course Requirements . . . . . 34 hours
ACC 201; ECO 230; MAT 109 or 107 and 108; MGT 300; PHY 131; GLY 108; CIS 212 or CSC 102; and nine hours from ECO 300, ENG 300, GBU 204, IET 207, 302; INS 370, 376; MAT 121 or 261; MGT 330; OAD 151; RST 310 and 320.

General Education Requirements . . . . . 37 hours
Standard General Education program, excluding course categories 03, 04, 09, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives . . . . . 3 hours
Total Curriculum Requirements . . . . . 128 hours

Industrial Arts Education (Teaching)+

COMPREHENSIVE AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **48 hours**
IET 142, 161, 180, 191, 233, 238, 242, 281, 311, 351, 372, 394, 462, and 465; 349 (three hours) or IET elective; 461 or 464.
Supporting Course Requirements ..... **15 hours**
CSC 171 and 172, or CSC 102; IET 261, 361; MAT 105 or 107; EMG 447.
Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 452, 498, 499.
General Education Requirements ..... **49 hours**
Standard General Education program, excluding course categories 03 and 04 (upon completion of MAT 107). Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **140 hours**

Freshmen entering the above program will be expected to have drafting competencies equivalent to those taught in a high school drafting course. An opportunity to obtain these skills will be provided those who are deficient.

+ A graduate of the above program shall have a minimum of 1,000 hours of work experience related to the goals of teacher preparation in industrial education or a minimum of 320 hours of supervised work experience. Students must also take the National Teacher's Examination before graduation.

Industrial Arts Education (Teaching)+

SPECIALIZED AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **48 hours**
IET 142, 161, 180, or 281, 191, 233, 238, 311, 349 (zero to three hours), 351, 372, 462, and 465; IET 461 or 464; nine-twelve hours of IET electives in one technical area.**
Supporting Course Requirements ..... **15 hours**
CSC 171 and 172, or CSC 102; IET 261, 361; MAT 105 or 107; EMG 447.
Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 452, 498, 499.
General Education Requirements ..... **49 hours**
Standard General Education program, excluding course categories 03 and 04 (upon completion of MAT 107). Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **140 hours**

Freshmen entering the above program will be expected to have drafting competencies equivalent to those taught in a high school drafting course. An opportunity to obtain these skills will be provided those who are deficient.

+ A graduate of the above program shall have a minimum of 1,000 hours of work experience related to the goals of teacher preparation in industrial education or a minimum of 320 hours of supervised work experience (IET 349). Students must also take the National Teacher's Examination before graduation.

**Twelve - fifteen semester hours are needed in one IET teaching subject area.

Industrial Arts Education (Teaching)+

FIRST MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **36 hours**
IET 142, 161, 180, 191, 238, 311, 349 (three hours), 351, 372, 394; six hours from IET 461, 462, 464 or 465.
Minor Requirements ..... **18 hours**
Supporting Course Requirements ..... **15 hours**
CSC 171 and 172; or CSC 102; IET 261, 361; MAT 105 or 107; EMG 447.
Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 452, 498, 499.
General Education Requirements ..... **49 hours**
Standard General Education program, excluding course categories 03 and 04 (upon completion of MAT 107). Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **146 hours**

Freshmen entering the above program will be expected to have drafting competencies equivalent to those taught in a high school drafting course. An opportunity to obtain these skills will be provided those who are deficient.

+ A graduate of the above program shall have a minimum of 1,000 hours of work experience related to the goals of teacher preparation in industrial education or a minimum of 320 hours of supervised work experience (IET 349). Students must also take the National Teacher's Examination before graduation.

Industrial Technology

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **57 hours**
IET 190 or 191; IET 238, 302, 308, 406, and 408; nine hours from IET 142; 180 or 281; 311, 351, or 372; and a minimum of 30 hours in one or two technical areas as follows:

Dual Specialization Option: Two of the following will fulfill the 30 hours specialization requirement:
Architectural Drawing: IET 195, 391, 394, 396, and 496.
Electronics: Core elective IET 351; IET 352, 353, 357, and 358; IET 356, 451, or 456.
+Graphic Arts: Core elective IET 311; 314, 315, 316, 317, and 411.
Mechanical Power Systems: Core elective IET 372; IET 303, 373, 374, 376, and 471.
Metals: Core electives IET 180 and 372; IET 281, 374, or 381, 382, 487, and 488.
Quality Control: Core elective IET 180; CSC 174 (can be used for the supporting course requirement), IET 281, 292, 382, STA 270, and 271.
Technical Drawing: Core electives IET 180 or 281, and 191; IET 195, 292, 395, 492, and 495.
+Wood Products Manufacturing: Core elective IET 142; IET 143, 242, 244, 343, 344, and 445.

+A student may not choose a dual specialization in graphic arts and wood products manufacturing.

Single Specialization Option: One of the following will fulfill the 30 hours specialization requirement:
Architectural/Technical Drawing: Core electives IET 180 or 281, and 191; IET 195, 292, 391, 394, 395, 492, 495, and 496; IET 332 or 396; CON 221, GEO 355, IET 382, 501, or IDH 426.

Computer Assisted Design/Computer Assisted Manufacturing: Core electives IET 191 and 281; CSC 174 (can be used for the supporting course requirement), IET 195, 292, 303, 381, 382, 395, 487, 488, 492, and 495.

Computer Electronics: Core elective IET 351; CSC 174 (can be used for the supporting course requirement), 180, IET 353, 354, 357, 358, 359, 451, 452, 456, and 458.

Electrical/Mechanical Power Systems: Core electives IET 351 and 372; IET 250, 303, 353, 357, 373, 374, 376, and 471; IET 352 and 356, 358 and 451, or 358 and 456.

Energy and Electrical Power: Core electives IET 351 and 372; CHE 101, CON 300, 324, IET 250, 352, 353, 356, 394, and 456; IET 374 or 376.

Graphic Arts: Core elective IET 311; IET 314, 315, 316, 317, 349 (three hours), 391, 411, ACC 201, and six hours from ACC 202, CIS 250, FIN 300, MGT 320, 330, MKT 300, or 315.

Industrial Electronics: Core electives IET 351 and 372; IET 352, 353, 356, 357, 358, and 359; IET 374 or 376; IET 451, 452, and 456.

Maintenance: Core electives IET 180, 351, and 372; IET 142, 281, 352, 356, 374, 382, 394, CON 321, 324, and OSH 362.

Manufacturing: Core electives IET 180, 351, and 372; CSC 174 (can be used for the supporting course requirement), IET 195, 281, 303, 359, 381, 382, 384, and 495; IET 374, or 376; IET 357, 358, or 456.

Metals: Core electives IET 180 and 372; IET 281, 292, 303, 374, 381, 382, 383, 384, 487, and 488.

Wood Products Manufacturing: Core electives IET 142 and 372; IET 143, 195, 242, 244; 292 or 332; 303, 343, 344, 374, 381, and 445.

Supporting Course Requirements ..... 26-28 hours
ECO 230, 300; MAT 109 or 107 and 108 (or 261); MGT 300, PHY 131, 132, and three hours of computer programming. Students with a graphic arts specialization should substitute CHE 101 for PHY 132.

General Education Requirements ..... 37 hours
Standard General Education program, excluding course categories 03, 04, 09, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives or Cooperative Education ..... 6-8 hours

Total Curriculum Requirements ..... 128 hours

Industrial Technology

FIRST MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 39 hours
IET 190 or 191; IET 302, 308, 406, and 408; six hours from IET 180 or 281, 142, 238, 311, 351, or 372; and a minimum of 18 hours in one technical area as follows:

Architectural Drawing: IET 195, 391, 394, 395, 396, and 496.

Computer Electronics: Core elective IET 351; CSC 174, 180, IET 353, 357, 456, and 458.

Energy and Electrial Power: Core electives IET 351 and 372; CON 324, IET 250, 352, 353, 356, and 456.

Graphic Arts: Core elective IET 311; IET 314, 315, 316, 317, 391, and 411.

Industrial Electronics: Core electives IET 281 and 351; IET 352, 357, 358, 372, 451, and 452.

Mechanical Power Systems: Core electives IET 351 and 372; IET 250, 303, 373, 374, 376, and 471.

Metals: Core electives IET 180 and 191; IET 281, 292, 351, 382, and 487; IET 383, 384, or 488.

Quality Control: Core elective IET 180; CSC 174 (can be used for the supporting course requirement), IET 281, 292, 381, 382, STA 270, and 271.

Technical Drawing: Core requirement IET 191; IET 195, 292, 391, 395, 492, and 495.

Wood Products Manufacturing: Core elective IET 142; IET 143, 242, 244, 343, 344, 445, and three hours IET elective.

Minor Requirements ..... 18 hours

Supporting Course Requirements ..... 28 hours
ECO 230, 300; MAT 109 or 107 and 108 (or 261); MGT 300, PHY 131, 132, and three hours of computer programming. Students with a graphic arts specialization should substitute CHE 101 for PHY 132.

General Education Requirements ..... 37 hours
Standard General Education program, excluding course categories 03, 04, 09, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives or Cooperative Education ..... 6-8 hours

Total Curriculum Requirements ..... 128 hours

MINOR IN INDUSTRIAL TECHNOLOGY

A student with a first major in another field may complete a minor in industrial technology by taking the following courses in one area of specialization:

Architectural Drawing: IET 191, 195, 292, 391, 394, 395, 396, and 496.

Computer Electronics: CSC 180; IET 190 or 191; IET 351, 353, 357, 358, 451, and 456.

Energy and Electrical Power: IET 190 or 191; IET 250, 351, 352, 353, 356, 372, and 456.

Graphic Arts: IET 190 or 191; IET 311, 314, 315, 316, 317, 391, and 411.

Industrial Electronics: IET 190 or 191; IET 351, 352, 357, 358, 372, 451, and 452.

Mechanical Power Systems: IET 190 or 191; IET 303, 351, 372, 373, 374, 376, and 471.

Metals: IET 180, 191, 281, 292, 351, 382, and 487; IET 383, 384, or 488.

Quality Control: CSC 174, IET 180, 191, 281, 292, 382, STA 270, and 271.

Technical Drawing: IET 191, 195, 281, 292, 391, 395, 492, and 495.

Wood Products Manufacturing: IET 142, 143; IET 190 or 191; IET 242, 244, 343, 344, 445, and three hours of woods elective.

Vocational-Industrial and Technical Education (Teaching) +

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 69 hours

Professional Industrial Education .. 21 hours
IET 261, 361, 364, and 463.

Technical Industrial Education .... 48 hours
IET technical courses are to be chosen in consultation with an advisor. A maximum of 18 semester hours may be allowed by proficiency examination (IET 204, 205, 206, 304, 305, and 306). Nine semester hours maximum may be allowed for supervised work experience (IET 349).

Supporting Course Requirements ..... **9 hours**
EDF 317, EPY 318**, and three hours of general education mathematics.

General Education Requirements ..... **52 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... **130 hours**

+ Graduates of this program must have a minimum of 2,000 clock hours of planned and supervised work experience in the occupation in which they will teach, or a minimum of three years of approved work experience in the occupation in which they will teach. Students must also take the National Teacher's Examination before graduation.

**In-service teachers may substitute SED 388 for EPY 318.

Computer Electronics Technology

ASSOCIATE OF SCIENCE

Major Requirements ..... **36 hours**
IET 207, 351, 353, 354, 357, 358, 359, 451, 452, 456, 457, and 458.

Supporting Course Requirements ..... **29 hours**
ATO 100*, CSC 171, six hours of English composition*, MAT 107*, 108, PHY 131*, four hours of restricted electives*, three hours of general education humanities*, and three hours of general education social science*.

Total Curriculum Requirements ..... **65 hours**

Drafting and Design Technology

ASSOCIATE OF SCIENCE

Major Requirements ..... **33 hours**
IET 191, 195, 207, 281, 292, 394, 395, 492, 495; six hours elective from IET 332, 349 (three hours), 391, 396, 496, or GEO 355.

Supporting Course Requirements ..... **33 hours**
ATO 100*, CSC 174, ECO 230, six hours of English composition*, HPR 180*, 181*, MAT 107*, 108, PHY 131*, three hours of general education humanities*, and four hours restricted electives*.

Total Curriculum Requirements ..... **66 hours**

Industrial Electronics Technology

ASSOCIATE OF SCIENCE

Major Requirements ..... **36 hours**
IET 207, 351, 352, 353, 356, 357, 358, 359, 376, 451, 452, and 456.

Supporting Course Requirements ..... **29 hours**
ATO 100*, CSC 171, six hours of English composition*, MAT 107*, 108, PHY 131*, four hours of restricted electives*, three hours of general education humanities*, and three hours of general education social science*.

Total Curriculum Requirements ..... **65 hours**

Printing Technology

ASSOCIATE OF SCIENCE

Major Requirements ..... **34 hours**
IET 190 or 191; IET 207; IET 302 or 308; IET 311, 314, 315, 316, 317, 349 (four hours), 391, and 411.

Supporting Course Requirements ..... **29 hours**
ACC 201, ATO 100*, CHE 101*, six hours of English composition*, HPR 180*, 181* MAT 107*, three hours of general education social science*, three hours of general education humanities*, and four hours restricted electives*.

Free Electives ..... **1 hour**

Total Curriculum Requirements ..... **64 hours**

Quality Assurance Technology

ASSOCIATE OF SCIENCE

Major Requirements ..... **30 hours**
IET 190 or 191; IET 281; IET 302 or Introduction to Quality Control and Total Quality Control at CKSVTS**; IET 308, 349 (four hours), 406, and the following courses at CKSVTS**: Metrology; Statistical Quality Control I; Purchased Material: Quality Assurance, Quality Cost, Statistical Quality Control II, or Shop Floor Controls; Pre-production and Planning; and Technical Report Writing.

Supporting Course Requirements ..... **34 hours**
ATO 100*, CSC 174, ECO 230, six hours of English composition*, HPR 180*, 181*, MAT 107*, PSY 202, STA 270, 271, three hours of general education humanities*, and four hours restricted electives*.

Total Curriculum Requirements ..... **64 hours**

**This is a cooperative program sponsored by Eastern Kentucky University and the Central Kentucky State Vocational Technical School in Lexington, Kentucky. Students are expected to take courses in both locations.

Vocational-Industrial and Technical Education (Teaching)

ASSOCIATE OF SCIENCE

Enrollment in this program is restricted to in-service vocational industrial teachers and graduates of a Kentucky State Vocational Technical School post-secondary program.

Major Requirements ..... **24 hours**
IET electives chosen from the technical area, or related to the area, in which the individual proposes to teach, as approved by the advisor. Graduates of this program must have a minimum of 4,000 hours supervised work experience or four years of occupational experience in the area to be taught. Nine semester hours maximum may be allowed by proficiency examination (IET 204, 205, and 206). Nine semester hours may be supervised work experience (IET 349).

Supporting Course Requirements ..... **42 hours**
ATO 100*, six hours of English composition*, IET 261, 264, 364, 463**, three hours of general education mathematics*, three hours of general education humanities*, three hours of general education social science*, and five hours restricted electives*.

Total Curriculum Requirements ..... **66 hours**

**In-service teachers should substitute IET 363, 469, and OSH 366; and SED 388 or EDF 317 for student teaching (IET 463--12 semester hours).

Course Descriptions

CON—Construction Technology

121 Introduction to Construction. (3) I, II. A survey of the construction industry. Nature, scope, and general characteristics of the industry. Careers in construction.

221 Plane Surveying. (3) I. Prerequisite: MAT 109 or 107 and 108. Principles of surveying, including techniques, field practice, and calculations. Introduction to the general use and care of surveying instruments.

300 Construction Materials. (3) A. Composition, manufacture, properties, types, grades, and uses of common construction materials and products.

301 Materials and Methods of Construction I. (3) I. Prerequisite: IET 394. Composition, manufacture, types, and grades of construction materials and building products with emphasis on wood, metal, and plastic materials. Methods involved in the use of these materials in the construction of buildings.

302 Materials and Methods of Construction II. (3) II. Prerequisite: IET 394. Composition, manufacture, types and grades of construction materials and building products with an emphasis on concrete, masonry, glass, roofing, and finishing materials. Methods involved in the use of these materials in the construction of buildings.

307 Foundation Construction. (3) II. Prerequisite: MAT 107 and 108 or 109. A study of soil mechanics as it relates to foundation construction. Topics include soil classification, engineering properties, compaction testing, types of foundation systems, and methods of foundation construction.

320 Construction Surveying. (3) II. Prerequisite: CON 221. The application of surveying skills as they relate to construction. Projects will include building layout, centerline staking, elevations and distances by indirect methods, point referencing, and earthwork calculations.

321 Construction Methods. (3) A. Prerequisite: IET 394. Basic types of construction: wood-frame, heavy timber, reinforced concrete, and structural steel. Laboratory activities related to specific techniques involved with each type of construction.

322 Structural Design. (3) I. Prerequisites: MAT 109 or 107 and 108; CON 301 and 302. Strength of materials and elementary structural analysis. Principles of structural design using wood, steel, and concrete members.

324 Mechanical Installations. (3) II. Plumbing, heating, and air conditioning systems for residential and commercial buildings. Water supply and drainage systems, heat loss, heat gain.

349 Cooperative Study: Construction Technology. (1-8) A. Prerequisite: 30 hours of credit with a 2.0 grade point average and department approval. Work under faculty and field supervisors in placements related to construction technology. One to eight hours credit per semester or summer. A minimum of 80 work hours required for each academic credit. No more than 16 hours will apply to graduation.

401 Special Problems in Construction Technology. (1-3) A. An independent study course for exceptional upper division undergraduate students. A study proposal will be developed by the student and approved by the faculty supervisor and department chair prior to enrollment. May be retaken provided the topic of study is different.

420 Value Engineering in Construction. (3) I. Prerequisite: MAT 109 or 107 and 108. Financial analysis and economic evaluation of alternatives in the construction industry. The goal of economic efficiency is applied to both design and construction methods.

421 Contracts, Plans, and Specifications. (3) I. Prerequisite: IET 394. General principles of contract documents. Preparation of construction documents, including contracts and specifications.

422 Cost Control and Scheduling. (3) II. Prerequisite: CON 421. Planning and control of construction projects. Time schedules for materials, labor, and equipment. Records of schedules and deliveries.

424 Estimating and Bidding. (3) I. Prerequisite: IET 394. Principles and methods of estimate and bid preparation. Preparation of construction bids from given plans and specifications.

425 Project Organization and Supervision. (3) II. Prerequisite: MGT 300. Business policies and problems in relation to construction enterprises. Contractor's organization, financial management, project management, and equipment economics.

IET—Industrial Education and Technology

141 Elementary Woodworking. (3) I, II. Basic instruction in the use of common hand tools, basic machine operations, wood veneering and laminating, problems in furniture construction, related technical information, and finishing materials and methods. Not open to students majoring in a program in the IET department.

142 Basic Wood Processing. (3) I, II. Manufacturing processes involved in the production of lumber, plywood, and other primary wood products; furniture, cabinets, millwork, and other secondary wood products. Laboratory activity includes instruction in the use of basic woodworking tools and machines, and the production of a small piece of furniture.

143 Wood Products Industry Exploration. (1) A. Independent exploration of the wood products industry through on-site visitation, observation, and interviews. Each student will be expected to visit at least three different industries.

161 Computers in Technology Education. (3) I. Prerequisite: CSC 102 or 171. A survey of microcomputer systems and software applications for use in a high school or junior high school technology education setting. Topics include application software, graphics programming, computer assisted instruction, and computer assisted classroom management.

164 Orientation to Vocational Teaching. (2) A. Instruction for new vocational teachers. Topics include principles of instruction, lesson planning, instructional aids, the demonstration and lecture methods, and evaluation.

172 Auto Mechanics. (3) A. Formerly IET 472. A study of the operation and minor repair of starting, charging, lighting, and accessory circuits and the suspension, power brake, steering, and air conditioning systems in modern automobiles.

180 Hot Metal Processes. (3) I, II. Basic information and operations in foundry practices; forging; heat treating; soldering; and resistance, arc, and oxyacetylene welding.

190 Basic Technical Drawing. (3) I, II. Basic technical drawing involving sketching, lettering, orthographic projection, pictorial representation and drafting techniques.

191 Technical Drawing I. (3) I, II. Prerequisite: one Carnegie unit of credit in high school technical drawing or equivalent. A course designed for the student who has a background in drawing at the high school level. Emphasis is placed on size description of objects by multiviews, axonometric projection, perspectives, sectional views, and auxiliary projections.

195 Computer Assisted Drafting. (3) I, II. Prerequisite or Corequisite: IET 190 or 191. A competency-based instructional course to familiarize the student with the characteristics and operational methods of several different computer assisted drafting systems. Topics include CAD development, system components, basic drawing commands, input/output devices, and industry applications. Satisfactory-unsatisfactory grading.

203 Staff Exchange. (2-6) A. For in-service vocational teachers enrolled in an approved staff exchange program designed to up-date technical skills and knowledge in an industrial setting. First week of exchange is equal to two semester hours of credit with one additional hour of credit for each additional week. Satisfactory-unsatisfactory grading.

204 Related Science, Mathematics, and Technology in Occupations I. (3) A. Offered only through written examination; applicant must be eligible for vocational teaching certificate.

205 Manipulative Skills in Occupations I. (3) A. Offered only through technical competence examination; applicant must be eligible for vocational teaching certificate.

206 Related Knowledge: Occupations I. (3) A. Offered only through written examination; applicant must be eligible for vocational teaching certificate.

207 Principles of Industrial Management. (3) I, II. A practical approach to management to include the organizing, planning, controlling, and developing of operations used in decision making and problem solving. Relationship of human resources to the economic and technological environment of industry.

233 Industrial Arts Design. (3) I, II. Prerequisites: IET 142 and 190 or 191. Study and application of the principles of three-dimensional design related to various media, emphasis on experimentation and problem solving in developing and consruction design solutions. Technical illustration techniques to include pencil rendering, ink delineation and other methods.

238 Industrial Materials and Processes. (3) I, II. Nature, origin, and the conversion into manufactured goods of metals, plastics, woods, ceramics, and miscellaneous materials.

242 Furniture and Cabinet Construction. (3) I, II. Prerequisite: IET 141 or 142. Principles of furniture and cabinet construction, elements of structural design, advanced woodworking operations; care and sharpening of tools; related technical information; furniture and cabinet construction and finishing.

244 Wood and Wood Products Technology. (2) A. Structure, identification, and properties of wood; wood deterioration; wood seasoning; properties and uses of chosen wood products.

250 Energy Management and Conservation. (3) A. A course designed for those interested in energy management and conservation in industrial,

commerical, and residential buildings. The content of the course deals primarily with methods of saving energy in buildings.

261 Foundations of Industrial Education. (3) I. A study of the historical, philosophical, economical, sociological and psychological foundations of industrial education related to elementary, secondary, and post-secondary industrial education.

264 Instructional Materials. (3) A. Selection and arrangement of teaching content; preparation of assignment, operation and information sheets; development of instructional techniques and general curriculum at appropriate levels of industrial education.

281 Cold Metal Processes. (3) I, II. Basic information and operations in old metal forming and machining. Areas of emphasis are sheetmetal fabricating, fastening, conventional machining, and introduction to numerical control (NC) and computer numerical control (CNC) processing.

292 Technical Drawing II. (3) I. Prerequisite: IET 191. The application of drafting techniques in the preparation of working drawings, including a study of threads and fasteners, cams and gears, welding symbols, secondary auxiliaries, shop processes, pictorials, and computer aided drafting applications.

302 Quality Control. (3) I, II. Course topics include the purposes and goals of quality control, economics of quality control, quality engineering, statistics and probability in quality control, and the functions of a quality control/assurance program in a manufacturing setting.

303 Automated Manufacturing. (3) A. Designed to provide a basic understanding of automation and its various application in manufacturing. Implications of automation, type and levels of automation, material handling techniques, parts design, computer-aided manufacturing, robotics, economic considerations and future trends.

304 Related Science, Mathematics, and Technology in Occupations II. (3) A. Offered only through written examination; applicant must be eligible for vocational teaching certificate.

305 Manipulative Skills in Occupations II. (3) A. Offered only through technical competence examination; applicant must be eligible for vocational teaching certificate.

306 Related Knowledge: Occupations II. (3) A. Offered only through written examinations; applicant must be eligible for vocational teaching certificate.

308 Motion and Time Study. (3) I, II. A laboratory course which examines human factors in motion and time study, motion economy, analysis and charts, photographic and electronic techniques, film analysis, effort rating, work measurement, direct time study, predetermined time study and standards for pay and production.

311 Introductory Graphic Arts. (3) I, II. A study of basic graphic arts processes. Activities include layout and design, composition, elementary presswork, photo-offset lithography, screen printing, and photography.

312 Graphic Arts Reproduction. (3) I, II. Prerequisite: IET 311. Graphic arts reproduction with emphasis on photo-typesetting applications, complex layout and design, process photography, and production printing techniques as they relate to offset lithography. Not open to IET students specializing in graphic arts.

314 Computer Typesetting. (3) I. A study of typesetting systems with emphasis on computer typesetting. Topics include measurement, type structures, typesetting nomenclature, programmed command systems, ruling, file management, editing, pagination, and copyfitting.

315 Photography I. (3) I, II. Emphasis on black and white photography including composition, exposure calculations, film development, photographic printing, finishing, and equipment. Credit will not be awarded to students who have college credit in another photography course. 35mm camera required.

316 Intermediate Graphic Arts. (3) II. Prerequisites: IET 311 and 314. Advanced study of procedures in photo offset lithography reproduction. Topics include typesetting, layout and design, copy preparation, line photography, halftone photography, image assembly, image carriers, press operations, production finishing, paper, and supply purchasing.

317 Printing Supervision and Control. (3) II. Prerequisites: IET 316 and 302 or 308. Topics include estimating, purchasing, production planning and control, and work measurement. Emphasis is placed on the problems encountered in job production systems.

322 Crafts for Children. (3) I, II. Introduction to various craft media and their application in recreational elementary crafts programs. Emphasis on activities appropriate for children and the use of inexpensive and readily available materials.

326 Crafts. (3) I, II. A comprehensive study of crafts to include leather, plastics, lost wax casting, lapidary, woodcraft, stain glass, and other appropriate craft materials.

332 Product Design. (3) I, II. Prerequisite: IET 391. Elements of product design as it relates to materials, such as woods, metals, and plastics. Emphasis placed on experimentation and problem solving in developing design solutions, detailed drawings, and illustrations and the presentation of design ideas.

333 Special Problems in Industrial Education and Technology. (1-6) I, II. An independent study course for exceptional undergraduate students. A study proposal will be developed by the student and approved by the faculty supervisor and department chair prior to enrollment. May be retaken provided the topic of study is different.

343 Industrial Finishing. (3) A. Prerequisite: IET 244. Materials and methods of industrial finishing; new finishing methods, including robotic applications; material handling; practice in the application of spray finishes.

344 Furniture Production. (3) A. Prerequisites: IET 242, 302, and 308. Industrial machines and processes used in the manufacture of furniture; production planning, prototype construction, and production operations. The class mass-produces a piece of furniture.

349 Cooperative Study in Industrial Education and Technology. (1-8) I, II. Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

351 Basic Electricity. (3) I, II. Principles of static and current electricity; measures of electricity, heat, light and power.

352 Rotating Electrical Machinery and Power Distribution. (3) I. Prerequisite: IET 351. Principles and operation of electric motors, generators, and transformers.

353 Digital Electronics. (3) A. Formerly IET 359. Prerequisite: IET 351. The study of logic circuit digital systems, computer operational characteristics, memory systems, and control circuitry.

354 Machine Language for Microcontrollers. (3) A. Formerly IET 251. Prerequisite: CSC 171 or CSC 174. Machine language programming for ROM based 8 and 16 bit microprocessor-industrial controllers. Emphasis on software manipulation of I/O control devices in real-time, interrupt driven, process control environments.

356 Electrical Power Systems and Control Applications. (3) II. Prerequisite: IET 351. Modern electrical power systems; the production, distribution, measurement, and control of electrical power systems with emphasis on wiring design and control.

357 Electronic Devices. (3) I, II. Prerequisite: IET 351. A technical analysis of static and dynamic characteristics of solid state electronic amplifying and power control devices.

358 Electrical and Electronic Circuit Analysis. (3) I, II. Prerequisite: IET 351. Electrical and electronic calculations and circuit analysis techniques. Emphasis on problem solving, supplemented by laboratory analysis of direct and alternating current electrical and electronic circuits.

359 Linear Circuits. (3) A. Prerequisite: IET 357. Not to be confused with IET 359 Digital Electronics offered before September, 1987. The operation and application of linear IC's including OP amps, comparators, phase lock loops, voltage controlled oscillators, timers, and function generators.

361 Course Materials in Industrial Education. (3) I. The preparation of instructional materials and instructional techniques, including the development and use of visual aids. The content will include the development of curricula at appropriate levels of industrial education, and appropriate laboratory activities.

363 Evaluation in Vocational and Technical Education. (3) A. Methods of evaluation, preparation of measuring devices; methods of assessing technical competency; interpretation of standardized test results; statistical analysis of test data and the improvement of instruction.

364 Methods in Vocational-Industrial and Technical Education. (3) A. Presentation and application of instructional materials, methods, techniques and devices relevant to teaching vocational-industrial and technical subjects.

368 Workshop in Industrial Education and Technology. (1-4) A. Presentation of industrial education and technology topics of a timely or specialized nature in a workshop format. May be retaken provided the topics are different.

372 Mechanical Power Systems. (3) I, II. Principles of operation and application of the generation, control, transmission and utilization of power with emphasis on internal combustion engines, simple machines and mechanical power transmission devices, fluid power, and electrical power.

373 Internal Combustion Engines. (3) A. Prerequisite: IET 372. Study of the multi-cylinder engine: fuels and fuel systems lubrication, cooling, ignition, tests, tune-up, adjustment, and minor repair.

374 Fundamentals of Fluid Circuits and Systems. (3) A. Prerequisite: IET 372. The study of the applications, physical laws, and principles of the operation and construction of fluid circuits, and components. Analysis of the properties of fluids, available types of fluid components, and their function within fluid circuits. Similarities and differences between pneumatic and hydraulic systems, components, symbology, circuit design, and calculations.

376 Fluid Power Circuits and Systems. (3) A. Prerequisite: IET 372. The designing, assembling, and operation of fluid power circuits using, pneumatic, hydraulic, and electrical components. Circuit calculations, component selection, circuit troubleshooting, and applications in industry.

381 Computer Assisted Manufacturing. (3) A. Prerequisites: IET 195 and 281. Designed to teach the effective utilization of computer technology in manufacturing applications. Emphasis placed on the creation and utilization of a manufacturing data base, for the purpose of programming, controlling, and monitoring data control machines and equipment.

382 Machine Tool Processes. (3) I, II. Prerequisite: IET 281. Precision work performed on lathes, mills, and surface grinders. The planning and production of a mass-produced product that includes numerical control and computer numerical control applications.

383 Arc and Oxyacetylene Welding. (3) A. Manipulative processes and related information basic to successful arc, oxyacetylene, and tungsten inert gas welding; metallurgy of welding; and physical testing of weldments.

384 Introduction to Robotics. (3) A. A course designed to prepare students with a working knowledge of robotics and the relationship of the robot to the workplace. Students will be required to create application programs for robots.

391 Technical Illustration I. (3) I, II. Prerequisite: IET 190 or 191. Axonometric projection, oblique, perspectives, and illustration techniques to include pencil rendering, and ink delineations.

394 Architectural Drawing I. (3) I, II. Prerequisite: IET 190 or 191. Basic principles of house planning, styles of home architecture, comparative study of building materials, preparation of a complete set of plans and specifications for a small home.

395 Descriptive Geometry. (3) II. Prerequisite: IET 190 or 191. Application of the theory of orthographic projection to the graphical representation and solution of three-dimensional problems.

396 Structural Drawing. (3) A. Prerequisite: IET 394. Basic technical drawing as it relates to the depicting of structural members for structural steel, reinforced concrete, structural wood, and curtain wall construction.

406 Production Planning and Control. (3) I, II. Prerequisites: IET 302, 308, and MGT 300. A senior project laboratory course which examines consumer needs, product design, product engineering, tooling-up for production, establishing production and quality standards, planning and controlling production and quality.

408 Seminar in Industrial Management. (3) I, II. Topics in human relations and production management. To be scheduled the semester just before graduation.

411 Advanced Graphic Arts. (3) I. Prerequisite: IET 316. Emphasis on halftone photography, duotones, posterization, color separation procedures, advanced offset lithographic printing, and an examination of current trends in the graphic arts.

445 Millwork and Casework Production. (3) A. Planning, estimating, and production of architectural millwork and casework. Materials, machines, and processes used in millwork production.

451 Industrial Electronics I. (3) I. Prerequisites: IET 357 and 358. Principles of timing, power control circuitry, transducers, and programmable controllers in commercial and industrial applications.

452 Industrial Electronics II. (3) II. Prerequisite: IET 451. Applications of industrial control circuitry, optoelectronics, thermal devices, transducers, and the maintenance and repair of electronic systems.

454 Communications Electronics I. (3) A. Prerequisites: IET 357 and 358. Advanced radio communication receiving principles; quality audio reproducing devices; transmitter procedures; transmitting antennas; communications systems; and electronics servicing techniques.

455 Communications Electronics II. (3) A. Prerequisite: IET 454. Principles of television; antenna theory and installation; closed circuit television operation; and television servicing techniques.

456 Microprocessors. (3) I, II. Prerequisite: IET 353. The operation and application of the eight bit microprocessor in desktop and process control systems. Data, address, and control signals; memory expansion; digital and analog input and output ports; power control interface; and data communications are covered in the laboratory.

457 Communications Systems. (3) II. A study of communication systems, principles, and applications with special emphasis on digital communications.

458 Microcomputer Electronics. (3) A. Prerequisite: IET 456. System considerations involved in implementing memory and input/output maps, clock and reset circuits, bus controllers, input/output ports, video display controllers, and disk drive controllers. Several microcomputer systems are built in the laboratory.

461 Visual and Audio Communications. (3) II. Prerequisites: IET 357 and 361. A course for the technology education teacher related to the communications industry and related occupations. The content will include the concepts and principles of drafting, printing, and electrical/electronic communications as these relate to the industry.

462 Manufacturing. (3) I. Prerequisites: IET 281 and 361. A course for the technology education teacher related to the occupations, materials, processes, and tools found in manufacturing industries. Course components include mass production, designing, and management, and are organized around the content areas of woods, metals, plastics, and industrial crafts.

463 Student Teaching: Vocational Industrial Education. (12) A. Observation, participation, and supervised teaching in vocational-industrial and technical education. Includes experiences in lesson planning, classroom management, record keeping, development and use of instructional materials, and directed teaching in approved centers. Students are graded on a satisfactory-unsatisfactory basis.

464 Transportation and Power. (3) II. Prerequisites: IET 361 and 372. A course for the technology education teacher related to the transportation and power industry to include related occupations. The content will include power mechanics, electrical theory and power, and fluid power, as these relate to the industry.

465 Construction. (3) I. Prerequisites: IET 242 and 361. A course for the technology education teacher related to the construction industry, its related occupations, and its function in today's economy. The content will include activities in basic carpentry, electrical wiring, plumbing, masonry, and structural building techniques.

469 Seminar in Teaching Industrial Education. (4) A. A seminar in lieu of student teaching at the appropriate level, designed to provide additional certification for students who have completed four years of successful teaching experience or for students who have completed the dual certification.

471 Analysis and Application of Machines. (3) A. Prerequisite: IET 372. A study of the principles of mechanical, electrical, and fluid power systems through the disassembly, inspection, adjustment, and construction of mechanisms, fluid power systems, and electrical circuits emphasizing their application to modern machines.

487 Toolmaking. (3) A. Prerequisite: IET 382. Tool design, numerical control and computer numerical control machining, and heat treating with projects and problems in toolmaking.

488 Diemaking. (3) A. Prerequisite: IET 382. Die design, diemaking with numerical controlled and computer numerical controlled machine tools, and heat treating.

492 Advanced Technical Drawing. (3) II. Prerequisites: IET 195 and 292. Advanced technical drawing applications to include geometric dimensioning and tolerancing, computer aided drafting applications, and ink and film techniques in the preparation of professional detail and assembly drawings.

495 Computer Graphics. (3) II. Prerequisite: CSC 174. Graphics devices; graphics programming with Core standard software; representation and transformation of points, lines, and plane curves; and 3-D modeling and viewing transformations.

496 Architectural Drawing II. (3) I, II. Prerequisite: IET 394. Consideration of both residential and commercial buildings with an emphasis on structural design, building methods and materials, mechanical systems, and site planning. Preparation of a complete set of plans for a small commercial building.

501 Special Problems in Industrial Education and Technology. (2-6) I, II. An independent study course for exceptional upper division undergraduate students. A study proposal will be developed by the student and approved by the faculty supervisor and department chair prior to enrollment. May be retaken provided the topic of study is different.

503 New Developments in Industry. (1-3) A. Concurrent enrollment in approved industry-sponsored course. One semester hour credit for each week of enrollment (minimum of 20 class hours per week) on satisfactory-unsatisfactory basis. Student required to present proof of completion. May be retaken to a maximum of 12 hours.

504 Industrial Education Staff Exchange. (2-6). A. For in-service teachers enrolled in a staff exchange program designed to up-date technical skills in an appropriate industrial setting. Written reports are required.

First week of exchange is equal to two semester hours of credit with one additional hour of credit for each additional week. Satisfactory-unsatisfactory grading.

520 Industrial Arts for the Elementary Teacher. (3) A. An introduction to basic industrial arts content and methods that can be used on the elementary school level. Emphasis on proper and efficient use of basic hand tools and proper construction activities.

533 Workshop in Industrial Education and Technology. (1-4) A. Presentation of industrial education and technology topics of a timely or specialized nature in a workshop format. May be retaken provided the topics are different.

561 Evaluation in Technical Education. (3) A. Strategies and methods for evaluation in technical education; identification and analysis of context, input, process, and outcomes; preparations, use and analysis of measuring instruments.

589 Characteristics and Maintenance of Tools and Machines. (3) A. Prerequisite: IET 382. The characteristics, preventive maintenance, trouble shooting, and repair of woodworking and metalworking tools and machines.

GRADUATE COURSES

701 Special Problems in Industrial Education and Technology. (2-6) I, II.
703 New Developments in Industry. (1-3) A.
704 Industrial Education Staff Exchange. (2-6) A.
720 Industrial Arts for the Elementary Teacher. (3) A.
733 Workshop in Industrial Education and Technology. (1-4) A.
761 Evaluation in Technical Education. (3) A.
789 Characteristics and Maintenance of Tools and Machines. (3) A.
801 Seminar in Emerging Technology. (3) A.
802 Industrial Productivity Assessments and Analysis. (3) A.
803 Reliability Testing and Metrology. (3) A.
804 Technology Systems Design and Management. (3) A.
805 Industrial Operations Research. (3) A.
821 Industrial Technology Project. (3-6) A.
822 Industrial Internship. (3-6) A.
830 Creative Problem Solving. (3) A.
861 Supervision in Technical Education. (3) A.
862 Philosophy of the Practical Arts and Vocational Education. (3) II.
863 Organization and Administration of Technical Education. (3) A.
864 Technical Education Facility Planning. (3) A.
867 Research in Industrial Technology. (3) A.
898 Thesis I. (3) A.
899 Thesis II. (3) A.

OSH—Occupational Safety and Health Technology

361 Introduction of Occupational Safety and Health. (3) I. A discussion of the historical development of industrial accident prevention, development of occupational safety and health legislation and the relationship of safety to industrial, public, and private occupations.

362 Occupational Health and Safety Laws. (3) II. The purposes, rules, and regulations of the William-Steigers and the Kentucky Occupational Health and Safety Acts. Also, other related occupational health and safety rules and regulations.

366 Safety Controls and Analysis. (3) A. Management practices and principles as they apply to accident prevention, control, analysis, and evaluation. Current laws, legislation, certification, and professional ethics.

DEPARTMENT OF

MASS COMMUNICATIONS

G. Kleine, Chair; Bailey, Cain, Cannon, Everett, Feltner, Fraas, Harris, Henson, Kolloff, Lanham, Perry, Rogers, Whitlock, Wolfe, Wright.

The primary function of the Department of Mass Communications is to offer instruction in the preparation of messages for the mass media and in the effective use of mass media techniques and equipment.

Because of the specialized nature of many of the courses in the Department of Mass Communications, students may find prerequisites required by individual instructors. These may include the ability to type a minimum of 25 words per minute, the availability of a cassette or other portable tape recorder and/or the availability of a 35mm camera. When such requirements apply, students will be notified at the first class meeting.

Students are urged to acquire computer skills before they enter professions within the mass media. No more than 20 credit hours of a student's degree may be earned in internship.

Students majoring or minoring in the Department of Mass Communications are required to attain a minimum grade of "C" in all courses for the major and/or minor. This requirement does not apply to supporting courses.

In special cases, courses and their prerequisites may be taken concurrently only with the permission of the student's advisor.

Broadcasting

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **30 hours**
RTV 225, 325 or 375, 350 or 360, 390, 395, 480, and 12 hours RTV electives.
Supporting Course Requirements ..... **9 hours**
COM 200 and six hours COM electives.
General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **34 hours**
Total Curriculum Requirements ..... **128 hours**

Journalism

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **30 hours**
JOU 201, 302 (one hour), 305, 310, 325, 401, 405, 425, and eight hours JOU electives.
Minor Requirements ..... **18 hours**
Journalism students must complete at least a minor in an area outside the Department of Mass Communications.
Supporting Course Requirements ..... **6 hours**
COM 200 and COM 470.
General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on General Education and University requirements.
Free Electives ..... **19 hours**
Total Curriculum Requirements ..... **128 hours**

Public Relations

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **33 hours**
JOU 201, 305, 325 or IET 315, JOU 405 or RTV 406; PUB 375; 380, 475, 490, RTV 350 or 360, 375 and 390.
Supporting Course Requirements ..... **15 hours**
COM 200, 420, MKT 320, IET 311, and 312.
General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on General Education and University

requirements.

Free Electives ..... 25 hours
Total Curriculum Requirements ..... 128 hours

MINOR IN BROADCASTING

Courses required for a minor in broadcasting are RTV 225, 250, 325 or 375, six hours in production courses (350, 390, or 395), and three hours of RTV electives. Courses counted toward the major may not be counted toward the minor in broadcasting. Substitute courses will be selected by the student and the departmental advisor.

MINOR IN JOURNALISM

Courses required for a minor in journalism are COM 200, JOU 201, 305, 310, and six hours from JOU 307, 325, or 401. Courses counted toward the major may not be counted toward the minor in journalism.

MINOR IN JOURNALISM (TEACHING)

Courses required for a minor in journalism (teaching) are COM 200, JOU 201, 307, 310, 325, 401, and three hours JOU electives; and EDF 102, 202, 317. (The teaching minor in journalism is open to those students with a first major in art, business education, English, history, or physical education.)

MINOR IN MEDIA SALES

Courses required for a minor in media sales are COM 200, 325, 450, 470, 475, and MKT 320. Courses counted toward the major may not be counted toward the minor in media sales. Substitute courses will be selected by the student and the departmental advisor.

MINOR IN PUBLIC RELATIONS

Courses required for a minor in public relations are COM 200, JOU 201 or RTV 375, PUB 375, 380, 475, and IET 311. Courses counted toward the major may not be counted toward the minor in public relations. Substitute courses will be selected by the student and the departmental advisor.

MINOR IN VISUAL MEDIA

Courses required for a minor in visual media are COM 325, JOU 325, RTV 350, 360, 395, and IET 311. Courses counted toward the major may not be counted toward the minor in visual media. Substitute courses will be selected by the student and the departmental advisor.

Course Descriptions

COM—Communications

200 Introduction to Mass Communications. (3) I, II. Introduction to the mass media in America, especially newspapers and broadcasting. Analyzes the forces affecting media behavior and studies the impact of mass media on the social, political, and economic sectors of society.

250 Film Genre: _____. (3) I, II. Study of the types of motion pictures. Analysis and critical evaluation of the typical elements of a genre, both visual and dramatic.

290 Topics in Communications: _____. (1-3) A. Prerequisite: will vary with course offering. Special topics beyond the scope of regularly offered courses. May be retaken to a maximum of nine hours provided the subject matter differs each time. Specific topic included in the schedule of classes.

325 Media Production. (3) I, II. Prerequisite: MKT 320. Examination of production principles and methods with practice in copywriting, visualization, and layout. Considers the application of research and communication theory to the creation of advertising. Credit will not be awarded for both COM 325 and MKT 324.

345 Literature and Film. (3) A. Cross listed as ENG 345. Prerequisites: six hours of English composition, six hours of literature. Examination of the relationships between film and literature through a comparative study of the stylistic and technical elements of the two media. Includes readings of short stories, plays, novels and analysis of cinematic adaptations.

349 Cooperative Study: Media Sales. (1-8) A. Prerequisites: junior standing, "B" average in all courses in the Department of Mass Communications and departmental approval. Work under faculty and field supervisor in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit. May not satisfy major requirements within the department.

350 Cinema History I. (3) A. Historical survey of cinema from its origins to the early artistic successes in sound. Examines developments in directing, acting, editing and other areas of cinema as an art form. Feature length and short films viewed. Gen. Ed. 08.

351 Cinema History II. (3) A. Historical survey from the development of sound to the present. Includes theories, styles and critical positions related to the sound film and considers origins and implications for future directions. Feature length and short films viewed. Gen. Ed. 08.

400 Studies in Communications: _____. (1-3) A. Formerly COM 500. Prerequisite: will vary with course offering. Study of specific areas of communications through workshops, short courses, institutes, or through the presentation of a specific course which examines timely, topical, or specialized concerns in the field. Specific topic included in schedule of classes. May be retaken to a maximum of nine hours.

420 Mass Communications Research. (3) I, II. Introduction to the research process, research approaches, basic statistics and applied research in the field of mass communications.

430 Legislative Reporting. (3) A. Prerequisite: JOU 401 or RTV 401 or instructor approval. Reporting on the state legislature for print and broadcast media. Counts as JOU/RTV elective.

445 Broadcast and Cable Promotion. (3) I, II. Study of broadcast and/or cable promotion in the areas of writing, production, marketing and public relations.

450 Media Campaigns. (3) A. Planning, financing and executing of advertising and sales campaigns through individual and class projects. Includes use of research and coordination of campaign elements.

470 Print Sales. (3) A. Formerly JOU 470. Prerequisite: JOU 201. Problems and practices of newspaper and magazine sales. Includes case studies in print sales development (local, regional, and national), pricing, production, promotion, and campaigns.

475 Broadcast Sales. (3) A. Formerly RTV 475. Prerequisite: RTV 225. Problems and practices of television and radio sales. Includes case studies in broadcast sales development (local, regional, and national), pricing, promotion, and campaigns.

495-496-497-498-499 Special Problems in Communications. (1-3 each) A. Prerequisite: Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Six hours maximum credit through any combination of 495, 496, 497, 498, and 499. Credit may not count toward a major or minor in the Department of Mass Communications.

495 Public Relations. (1-3) A. Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

496 Film. (1-3) A. Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

497 Journalism. (1-3) A. Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

498 Radio. (1-3) A. Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

499 Television. (1-3) A. Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

530 Sports Information Programs. (3) A. Study of the role and function of the sports information director. Includes public relations techniques applied to sports information: press releases, publications programs, office and staff organization, time utilizations, news media and formats.

550 Readings in Mass Communications. (3) A. Prerequisites: instructor approval and senior standing. Critical reading of selected books and magazines relating directly or indirectly to mass communications. Features reviews and seminar discussions of readings chosen to reflect individual student's interests.

GRADUATE COURSES

730 Sports Information Programs. (3) A.
750 Readings in Mass Communications. (3) A.

JOU—Journalism

201 Newswriting. (3) A. Prerequisites: three hours of English composition and the ability to type 25 words per minute. Study of the elements of the news story. Includes the lead, style, structure, sources, readability, story types and ethics. Practice in gathering, writing, and evaluating news.

302 Journalism Practicum. (1) I, II. Prerequisite: JOU 201. Supervised practical newspaper experience in a journalistic operation. May be retaken to a maximum of three hours.

304 Yearbook Practicum. (1) I, II. Prerequisite: JOU 201. Supervised practical yearbook experience in a journalistic operation. May be retaken to a maximum of three hours.

305 Feature Writing. (3) A. Prerequisite: six hours of English composition. Writing and submitting articles for publication in newspapers, magazines and syndicates. Involves studying requirements of periodicals to which sale is attempted and free-lancing methods in general.

307 Editorial Writing. (3) A. Prerequisite: JOU 201. Study of editorials, editorial columns and editorial pages. Provides practice in writing editorials for publications.

310 News Editing. (3) I, II. Prerequisite: JOU 201. Purposes and methods of preparing copy for publication explored through analysis and practice of headline writing, as well as evaluation of news, display and makeup.

325 Photojournalism. (3) I, II. Reporting the news with a camera. Stresses recognition, development and creation of news photographs by providing experiences in shooting, developing, printiing, and editing.

330 Sportswriting. (3) A. Prerequisite: JOU 201. Fundamentals of sports writing. Includes daily, feature and interview stories as well as preparation of sports commentary and analysis.

349 Cooperative Study: Journalism. (1-8) A. Prerequisites: junior standing, "B" average in all courses in the Department of Mass Communications, and department approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours of academic credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each hour of academic credit. May not satisfy major requirements within the department.

401 Public Affairs Reporting. (3) A. Prerequisite: JOU 201. Writing and reporting in specialized fields of national, state and local government, labor, science, research and business. Includes writing and reporting for wire services and daily newspapers.

405 Journalism Law. (3) A. Prerequisite: JOU 201. Examination of the legal philosophies relating to journalism: press freedom, copyright, libel, slander, fair comment, and contempt of court. Emphasizes the privileges and restraints affecting journalism.

410 Advanced Photojournalism. (3) A. Prerequisite: JOU 325. Darkroom techniques in feature photography. Focuses on experiences in coordinating words and news photographs and developing photo pages and photojournalism exhibitions.

415 Advanced Editing. (3) A. Prerequisite: JOU 310. Intensive study of newspaper design. Emphasizes practice in electronic editing, headline writing, and layout.

425 Community Journalism. (3) A. Prerequisites: JOU 201 and 310. Writing and reporting for the community newspapers. Includes investigating local government and local sources of information and studying the role and performance of the community newspaper.

450 Newspaper and Magazine Management. (3) A. Prerequisites: JOU 201 and 310. Problems of organization, finance, production and distribution of daily and weekly newspapers and magazines. Examines factors involved in publishing, staffing, equipment evaluation and purchase and policy formulation.

PUB—Public Relations

349 Cooperative Study: Public Relations. (1-8) A. Prerequisites: junior standing, "B" average in all courses in the Department of Mass Communications, and department approval. Work under faculty and field supervisors in cooperative placements related to the student's academic studies. One to eight hours credit per semester or summer. Total credit hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit. May not satisfy major requirements within the department.

375 Public Relations Principles. (3) I, II. Prerequisite: JOU 201 or RTV 375. Survey of business, industrial, educational, social and governmental principles and practices in disseminating internal and external information.

378 Public Relations Practicum. (1) I, II. Prerequisite: PUB 375. Supervised practical experience in a public relations operation. May be retaken for a maximum of three hours. May not be counted toward the major.

380 Public Relations Writing. (3) I, II. Prerequisites: JOU 201 and RTV 375. Practice in public relations planning and writing for general and specific publics of organizations, corporations, institutions, and government.

475 Advanced Public Relations. (3) A. Prerequisites: PUB 380 and IET 311. Planning and budgeting for production of print, audio-visual and broadcast materials used in public relations. Emphasizes public relations management objectives, campaign plans and proposals as well as the development of media projects — e.g. slide-tape presentations and newsletters.

490 Public Relations Campaigns. (3) A. Prerequisites: PUB 475 and IET 312. Application of research, planning, strategies and evaluations to a public relations campaign. Includes studies of public relations cases and problems.

RTV—Broadcasting

225 Introduction to Radio and Television. (3) I, II. Survey of the broadcasting industry. Encompasses development, responsibilities, job opportunities, industry codes, as well as the technical aspects of radio and television and brief consideration of programming and production techniques.

250 Broadcast Performance. (3) I, II. Study of the announcer's role in broadcasting. Stresses practice in performing areas, including radio and television production, microphone and television camera techniques with an added emphasis on phonetics and pronunciation.

325 Broadcast News. (3) A. Prerequisites: RTV 225 and ability to type 25 words per minute. Fundamental news concepts peculiar to the requirements of the broadcast media are explored through writing and editing the newscast and examining public affairs programs, editorials, and documentaries.

330 Sportscasting. (3) A. Prerequisites: RTV 250 and 375. Fundamental concepts basic to sports broadcasting are developed through writing and delivering the sportscast and examining the theory and practice of play-by-play announcing.

349 Cooperative Study: Broadcasting. (1-8) A. Prerequisites: junior standing, "B" average in all courses in the Department of Mass Communications, and department approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit. May not satisfy major requirements within the department.

350 Film Production. (3) I, II. Principles and procedures of motion picture production, including camera metering, laboratory processes, editing and projection systems. Emphasizes scripting, filming and editing the silent film.

353 Film Practicum. (1) I, II. Prerequisite: RTV 350. Supervised practical experience in film making, editing, and other aspects of film production. May be retaken to a maximum of three hours. May not be counted toward the major.

360 Electronic Field Production. (3) A. Formerly RTV 420. Training in non-studio television production and editing. Provides field shooting and editing experience and an understanding of the uses of these skills in both broadcast television and cable.

375 Broadcast Writing. (3) I, II. Prerequisite: ability to type 25 words per minute. Examination of the specialized forms of broadcast writing. Emphasizes both visual and verbal planning elements as well as practical experience in writing commercial, public service, narrative, and documentary copy.

390 Radio Production. (3) I, II. Prerequisite: RTV 225. Fundamentals of the technical and artistic elements of radio production. Includes control room techniques, sound recording, tape editing and Federal Communications Commission regulations.

393 Radio Practicum. (1) I, II. Prerequisite: RTV 390. Supervised practical experience on the staff of a radio facility. May be retaken to a maximum of three hours. May not be counted toward the major.

395 Studio Television Production. (3) I, II. Study of the basic elements of television production. Includes an introduction to writing, directing, producing, and other technical aspects of studio television.

398 Television Practicum. (1) I, II. Prerequisite: RTV 395. Supervised practical experience on the staff of a television facility. May be retaken to a maximum of three hours. May not be counted toward the major.

401 Advanced Broadcast News. (3) A. Prerequisite: RTV 325. Advanced study in broadcast journalism, including the use of electronic news gathering (ENG) equipment. Extends the concepts developed in RTV 325.

406 Broadcast Law. (3) A. Prerequisite: RTV 225. Examination of the legal philosophies involved in broadcasting—state and federal statutes.

libel and slander, and self-regulation. Emphasizes the privileges and restraints affecting broadcasting.

410 Broadcast Programming. (3) A. Prerequisite: RTV 225. Inter-relationships of programs and audiences. Analysis of audience and program research as well as individual program formats.

425 Broadcast Station Management. (3) A. Prerequisite: RTV 225. Study of the successful operation of radio and television stations. Covers staffing, budgeting, types and sources of programs, equipment evaluation and purchase, public relations, and industry-wide regulatory codes.

440 Cable TV Industry. (3) A. Prerequisites: COM 200 and RTV 395. A study of the cable television industry including development, regulations, franchising, programming, local access, marketing, and cable's role and function in society.

480 Broadcasting in the Public Interest. (3) A. Prerequisite: RTV 225. Theoretical course dealing with social, political, legal, and economic influences on American radio and television broadcasting.

490 Advanced Radio Production. (3) A. Prerequisite: RTV 390. Program functions in radio communications, including the planning, production, and direction of more complex programs. Utilizes original ideas and methods in documentary and studio productions.

495 Advanced Television Production. (3) I, II. Prerequisites: RTV and RTV 360. Advanced study of television production and directing, combining both studio and field work in the production of standard program formats.

Aviation

W. Walker Coordinator

The Aviation Program offers curricula providing the student an opportunity to acquire FAA certification as a private, instrument, and commercial pilot. The basic courses are taken at the University with the flight training provided in fixed-wing, single-engine aircraft under contractual agreement with the local airport's fixed base operator. The certification courses plus an additional nine academic hours makes it possible for a student to *minor* in Aviation. Other course offerings and an Aviation major are presently in the developmental stage.

The present and future course offerings should enhance the student's occupational opportunities in aviation and aviation-related industries as well as provide support for degrees in varying technical and business fields.

All Aviation courses may be taken as free or restricted electives.

MINOR IN AVIATION

Minor Requirements ..... 19 hours

AVN 150, 192, 192A. 220, 220A. 250, GEO 170, and 215.

FEES

Fees are attached to all AVN courses except AVN 150 and AVN 349. The ground course fees includes the cost of all books and supplies as well as a fee for taking the FAA written examination. The flight course fee for private pilot includes the total cost of FAA required flight — dual and solo (approximately 40 hours), plus a medical examination by an Aviation Medical Examiner, some aviation personal liability insurance, and the fee charged for the FAA final flight examination.

Other flight course fees represent flight time necessary to complete these courses for academic credit, but may or may not provide students with the appropriate FAA certification.

Course Descriptions

AVN—Aviation

150 Elements of Aviation. (3) A. An introductory course specifically designed for students to obtain a broad understanding of the aviation world including varying aspects of space exploration. Includes a study of aviation history and the general aviation environment.

192 Private Pilot: Ground. (3) A. An introduction to flying designed to provide all aeronautical information necessary to successfully complete the FAA written examination for private pilots. An integrated lecture and laboratory effort in which simulators and actual aircraft are used.

192A Private Pilot: Flight. (1) A. Prerequisite or Corequisite: AVN 192 or special permission. This course consists of all dual and solo flight hours and experiences required for the private pilot certification with the Federal Aviation Administration.

201-202-203-204-205 Intermediate Supervised Flight I, II, III, IV, V. (.5 each) A. These courses are designed to permit students holding the Private Pilot License (AVN 192A) to acquire additional supervised flight time. These courses include approximately 14 flight hours each.

220 Instrument Pilot: Ground. (3) A. Prerequisites: AVN 192 and 192A or equivalents. This course is designed to be integrated with AVN 220A and includes studies of aircraft operations under instrument conditions inclusive of the rules and regulations governing non-visual flight.

220A Instrument Pilot: Flight. (1) A. Prerequisites: AVN 192, 220, and a minimum of 90 flight hours inclusive of a Private Pilot License (AVN 192A) or coordinator approval. A laboratory course integrated with AVN 220.

225-226 Advanced Supervised Flight I, II. (.5 each) A. Prerequisites: AVN 192, 192A, 220, and 220A or equivalents. These courses are designed to permit students to acquire additional supervised flight time. These courses include approximately 12 flight hours each.

250 Commercial Pilot: Ground. (2) A. Prerequisites: AVN 192, 192A, 220, and 220A or equivalents. This course is designed to be integrated with AVN 250A and includes studies appropriate to commercial flight operations.

250A Commercial Pilot: Flight. (1) A. Prerequisites: AVN 192, 220, 250, and a minimum of 200 flight hours inclusive of a Private Pilot License (AVN 192A) or coordinator approval. A laboratory course integrated with AVN 250.

349 Cooperative Study: Aviation. (1-8) A. Prerequisite: coordinator approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. A minimum of 80 hours work required for each academic credit.

DEPARTMENT OF

MILITARY SCIENCE

D. Riemold, Chair; Brewer, Cavanaugh, Duncan, Harley, Hillard, Johnson, LeMieux, Meadows, Sanderson, Turning.

Eastern Kentucky University's Senior Division Army Reserve Officer's Training Corps (ROTC) has served the University and the nation since 1936 with a twofold mission; the enhancement of citizenship through the development of leadership potential and an appreciation of the roles and missions of our national defense structure; and the preparation of students who are qualified by education, experience, attitude, and inherent qualities for service in the U.S. Army Reserves, the National Guard, or regular active service. Completion of the Introduction to Military Science (100-200 level) meets the first of these missions by providing the student a foundation for the development of leadership and managerial skills through life experience and also by serving as a prerequisite for entry into the advanced military science program. The student incurs no military obligation for participation in the Introduction to Military Science. Students whose future employment goals may require leadership or managerial skills, those with an interest in our national defense structure, or those who wish to explore the benefits of a career in the U.S. Army Reserves, National Guard, or regular service are encouraged to take the introductory courses.

THE ROTC PROGRAM

A complete military science program is four years in length and is designed to supplement and complement any regular baccalaureate degree program. Successful completion of the advanced mlitary science program qualifies a student for a commission as a second lieutenant in one of 22 branches of the United States Army. A commission in the U.S. Army Reserve or National

Guard, as well as a minimum three-to-six month active duty period can be guaranteed upon entry into and successful completion of the advanced program. The following courses (or equivalents) are required for successful completion: MIL 101, 102, 202, 203, 301, 302, 401, 402, and 410 (Military Science Practicum Advanced).

ADVANCED PLACEMENT CREDIT

U.S. military veterans, Reserve, or National Guard personnel who have completed 90 days active duty for training, students with three or more years of junior ROTC, and academic sophomores who complete MIL 210 (Military Science Practicum Basic) may be eligible for entry into the program at the advanced level. Interested students must be pursuing a four-year degree, have a minimum of four full semesters of undergraduate degree work remaining at time of entry, and meet all other requisites for commissioned service. A special program, for graduate students is also available.

MINOR IN MILITARY SCIENCE

A student may minor in military science by completing seventeen hours of advanced military science (MIL 301, 302, 401, 402, and 410) and six hours of electives approved by the Professor of Military Science and Dean of the College of Applied Arts and Technology.

Course Descriptions

MIL—Military Science

101 Group Dynamics of Leadership. (2) I, II, A. Development of leadership and problem solving abilities; examination of leadership style and counseling techniques; comparison of civilian and military leadership; and analysis of the Constitutional and historical basis for the U.S. Army.

102 Dynamics of Leadership and Operational Teamwork. (2) I, II, A. A study of theories, principles, techniques and fundamentals of map reading and their application. Classes are systematically arranged to promote student participation in group leadership development and problem solving techniques.

202 American Military History. (3) I, II. A. Examines U.S. Military history from pre-revolutionary times to post-Vietnam; defines the principles of war; discusses political-military interactions; develops leadership through group contribution in case studies which apply the principles of war to historical periods.

203 Intermediate Leadership and Management. (2) I, II, A. Provides students continued development of basic military skills through practical leadership experiences in performing emergency medical treatment, drill and ceremonies, physical training and rifle marksmanship. Principles of leadership and management are presented in classroom discussion.

210 Military Science Practicum (Basic). (2, 4, 6) A. Introduces Military Science in a comprehensive summer field course designed to be taken in lieu of MIL 101, 102, or 203. This course emphasizes practical field application and leadership development.

ADVANCED MILITARY SCIENCE

Prerequisites: Introduction to Military Science, prior active service, Active Duty for training, or Junior ROTC, acceptance by the Professor of Military Science, meet army qualification standards.

301 Advanced Leadership and Management I. (3) I. Introduction to advanced leadership and management, emphasizing the branches of the Army, communication systems, and equipment. Defines principles of leadership and develops leadership through practical application as a leader in field training and physical conditioning.

302 Advanced Leadership and Management II. (3) II. Develops leadership and management ability and military skills in military communications, weapons, and tactics. Develops leadership and command presence through student presentations and practical application as a leader in field training and physical conditioning.

401 Fundamentals and Dynamics of the Military Team I. (3) I, A. Develop staff officer skills in leadership and management through decision making and problem solving techniques through military planning, administrative and logistical management and detailed training management.

402 Fundamentals and Dynamics of the Military Team II. (2) II, A. Discusses the impact of world affairs on U.S. Armed Forces; defines overall professional and ethical responsibilities of military officers; development of military management techniques; establishes a basic understanding of military justice and the Geneva convention.

410 Military Science Practicum (Advanced). (6) A. Develops leadership through intensive six-week summer field course of rotating leader/command experience in problem analysis, decision making, and troop leading while providing in-depth coverage of technical and tactical subjects.

Air Force Reserve Officers' Training Corps

(AIR FORCE ROTC)

The purpose of the Air Force Reserve Officers' Training Corps (Air Force ROTC) is to provide a means for college students to pursue an Air Force commission as a second lieutenant while achieving their academic goals in their chosen field of study. Air Force ROTC provides the Air Force with civilian educated officers and provides students with well-paying, challenging positions after graduating from college. Air Force ROTC improves and strengthens the qualities of decision-making, responsibility, and maturity in its students and helps them to develop leadership qualities.

To receive a commission, Air Force ROTC cadets must complete all requirements for a degree according to university rules and regulations as well as completing specified Air Force ROTC courses. Air Force ROTC courses are usually taken for academic credit as part of a student's electives.

ADMISSION TO THE PROGRAM

The two major phases of the curriculum are the General Military Course (GMC) and the Professional Officer Course (POC). The GMC generally is taken during the first two years of college. It covers two main themes - the contemporary Air Force and its organization and the development and history of air power. The GMC is open to all students and those enrolled in this program incur no military obligation. A Leadership Seminar is also offered during each semeser. During these sessions cadets learn Air Force customs and courtesies, proper wear of the uniform, and the fundamentals of Air Force drill and ceremonies. Both the academic course and the Leadership Seminar are taught on campus at Eastern Kentucky University. Students initially registering for the GMC should sign up for these classes in the same manner they register for other college courses.

The last two years called the Professional Officers Course (POC) is normally taken during the junior and senior years of college. The POC curriculum covers Air Force management, leadership and American defense policy. A basic requirement for entrance into the POC is for the applicant to have two academic years remaining at either the undergraduate or graduate level or a combination of both. Prior enrollment in the GMC is not required for a student to enroll in the POC. Entrance into the POC is competitive. Any student wishing to apply should contact the Professor of Aerospace Studies, University of Kentucky, Lexington KY, 40506-0028 as early as possible but no later than February of their sophomore year in college. Applicants for the POC attend a four or six week field training session during the summer preceding entry into the POC. Cadets receive travel pay to and from field training and are paid for the time spent there.

Currently, Eastern Kentucky University students enrolled in the POC attend classes at the University of Kentucky. These classes are held three days per week. These students are enrolled as a visiting student at the University of Kentucky and pay the appropriate course fees at the University of Kentucky. All Air Force ROTC academic credit hours are transferable to Eastern Kentucky University.

SCHOLARSHIPS

Scholarships are available to qualified students who enroll in the Air Force ROTC program. These scholarships provide full payment of tuition, laboratory fees, an allowance for books and a nontaxable subsistence allowance every month.

Scholarships are awarded to cadets on a competitive basis for 2, 2 1/2, 3, and 3 1/2 years. Initial selection is made on campus by a board of Air Force ROTC officers. Final selection is made by a central selection board at Air Force ROTC headquarters.

High school students are eligible for four-year Air Force ROTC scholarships. Applicant interested in obtaining a four-year scholarship will be evaluated on the basis of:

1. Results of the American College Test (ACT) or Scholastic Aptitude Test (SAT)
2. High school academic record
3. Extra curricular and athletic activities
4. Personal references
5. Ability to qualify on an Air Force medical examination

High school students who feel they can meet the basic eligibility requirements for a four-year scholarship must submit an application to Air Force ROTC before December 1 of the year prior to enrollment in the program. All selections for four-year scholarships are made at Air Force ROTC headquarters.

High school students should contact their school guidance counselor or principal during the latter part of their junior year or early in their senior year for application cards. They may also contact the Professor of Aerospace Studies, University of Kentucky, Lexington KY 40506-0028 or write directly to Air Force ROTC/RR, Maxwell AFB AL 36112-6663. Questions about these or any other Air Force ROTC programs may be directed to the Department of Aerospace Studies, AFROTC Det 290, University of Kentucky, Lexington KY 40506-0028 or call collect (606) 257-7116.

Course Descriptions

AFS—Aerospace Studies (Air Force ROTC)

111 Aerospace Studies I. (1) I. This course deals with the Air Force in the contemporary world through a study of the total force structure, strategic offensive and defensive forces, general purpose forces and aerospace support forces.

112 Aerospace Studies I. (1) II. A continuation of AFS 111.

113 Leadership Seminar. (1) I. Prerequisite: AFS 111 or 211. Introduces Air Force customs and courtesies, drill and ceremonies and wear of the uniform. The course also includes a discussion of career opportunities in the Air Force.

114 Leadership Seminar. (1) II. Prerequisite: AFS 112 or 212. A continuation of AFS 113.

211 Aerospace Studies II. (1) I. This course is a study of air power from balloons and dirigibles through the jet age; a historical review of air power employment in military and nonmilitary operations in support of national objectives; and a look at the evolution of air power concepts and doctrine.

212 Aerospace Studies II. (1) II. A continuation of AFS 211.

213 Leadership Seminar. (1) I. Prerequisites: AFS 112 or 212; AFS 113 and 114. Builds on the foundation established during AFS 113 and 114. Air Force customs, courtesies and opportunities are again emphasized. The cadet is prepared for individual, flight and squadron movements in drill and ceremonies.

214 Leadership Seminar. (1) II. Prerequisite: AFS 112 or 212; AFS 113 and 114. A continuation of AFS 213. Emphasis on preparing cadets for attendance at Field Training during succeeding summer.

333 Leadership Seminar. (1) I, II. Prerequisite: AFS 331 and 332. Involves the cadets in advanced leadership experiences to prepare for active duty. Cadet responsibilities include planning, organizing, directing, coordinating and controlling the activities of the cadet corps and preparing briefings and written communications.

343 Leadership Seminar. (1) I, II. Prerequisite: AFS 341 and 342. Involves the cadets in higher level advanced leadership experiences similar to those in AFS 333. In addition, the cadets receive a final block of instruction on Initial Commissioned Service.

COLLEGE OF ARTS AND HUMANITIES

JOHN M. LONG, Dean

CONTENTS

Arts and Humanities 89
Art 90
English 92
Foreign Languages 95
Humanities 100
Music 100
Philosophy and Religion 105
Speech and Theatre Arts 107

The purpose of the College of Arts and Humanities is to provide for all students the artistic and humanistic elements of a liberal education. By cultivating the intellect, a liberal education allows individuals to be at home in any society, to be more aware of their own internal and external resources, to choose more capably their values and goals.

By concentrating on interpretations of humanity through the intellectual and expressive arts, the College can provide students both with the understanding to form their own interpretations of what it means to be human and with the skills to express that understanding. The College offers these educational opportunities not only to its own majors and minors but also to students in all other colleges in the University, especially through the humanities component of General Education.

The College of Arts and Humanities offers instruction for professional and pre-professional fields and cooperates with other colleges in providing upper level courses and programs; it further cooperates with the Graduate School in offering graduate courses and programs.

DEGREES OFFERED

The following degrees are granted: Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Music Education, and Bachelor of Individualized Studies.

The Bachelor of Arts is conferred upon students who major in art, English, French, German, music, philosophy, religion, Spanish, speech and theatre arts, speech communication studies, and theatre arts. The Bachelor of Fine Arts is conferred upon students in art and in performing arts.

GRADUATE PROGRAMS

In cooperation with the Graduate School, the College offers the Master of Arts, Master of Music, and Master of Music Education. The Master of Arts is offered in English. The College of Education offers the Master of Arts in Education with an emphasis in art, English, French, and Spanish. The departments in the College of Arts and Humanities cooperate in presenting these programs, which are described in the Graduate Catalog.

DEGREE REQUIREMENTS

General University requirements described on page 31 in Part Three of this Catalog, as well as specific course requirements set forth in the description of curricula, must be met by students completing baccalaureate programs administered by the College of Arts and Humanities. See programs under each department for major and minor requirements. Common to all programs is the Academic Orientation course (AHO 100) of the College of Arts and Humanities.

In addition to the general University requirements, specific requirements for the College of Arts and Humanities are as follows.

1. A grade point average (gpa) of 2.0 in the major is required (certain programs require a higher gpa).
2. All students must have an area of concentration or a major program. While either a minor or a second major is recommended for all programs, a teaching minor is required for the following teaching majors: French, German, and Speech and Theatre Arts. Some of the hours for a minor may also count as electives and general education, if appropriate.
3. Students who transfer from other institutions must earn no fewer than six hours in the area or major at Eastern, the exact minimum to be determined by consultation of the advisor, departmental chair, and dean. At least three hours of the minor must be earned at Eastern.

PLANNED CURRICULUM

Upon completion of 60 hours, a planned curriculum (which specifies the remaining graduation requirements) must be initiated by consulting the faculty advisor in the major department. Teaching majors must have been admitted to the Teacher Education Program prior to the preparation of a planned curriculum. Any subsequent change in the planned curriculum is proposed on forms available in the office of the advisor.

APPLICATION FOR GRADUATION

Students must file an application for graduation in the dean's office no later than April 30 for December graduation and no later than October 31 for either May or August graduation. It will be the student's own responsibility to plan and register for the proper courses to meet all graduation requirements.

GRADUATE COURSE CREDIT

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.

Bachelor of Individualized Studies Degree

The Bachelor of Individualized Studies (B.I.S.) degree is administered by the B.I.S. Review Board consisting of faculty and

administrators from three colleges: Arts and Humanities, Natural and Mathematical Sciences, and Social and Behavioral Sciences. It is intended for students whose goals extend beyond traditional majors and whose integrative abilities permit them to plan and follow a personalized, unique program (e.g., Medical Illustration, combining biology with art, or Theatre Management, combining theatre with business). A student submitting a proposal to the B.I.S. Review Board should have in the semester of entry a minimum of 30 (no more than 75) hours, a cumulative GPA of 2.5, and a "C" average in ENG 101 and 102, or 105. For further information, see the Dean of the College of Arts and Humanities.

Major Requirements ..... **45-48 hours**
A minimum of 42 hours, of which at least 27 hours must be at the 300 level or above, selected with the aim of contributing to the interdisciplinary theme, topic, and/or goal; and CAH 499 to be completed in the last semester.
General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **25-28 hours**
Total Curriculum Requirements ..... **128 hours**

ARTS AND HUMANITIES COURSES

AHO—Orientation

100 Arts and Humanities Orientation. (1) I. An Introduction to the programs of the University and the College. Not open to students with more than 30 semester hours.

CAH—Interdisciplinary

315 Topics in Humanities General Education: _____. (3) A. An experimental General Education course designed to fulfill the requirements for category 08 of Area II. Content will vary with each offering. May not be retaken.

499 Independent Work. (3-6) I, II. Prerequisite: cumulative GPA of 2.5 in Bachelor of Individualized Studies degree. Independent research and/or field work required for the program of B.I.S.

500 Interdisciplinary or Transdisciplinary Seminar. (3) A. In-depth consideration of problems which involve several disciplines. A different problem may be considered each time the course is offered. May be retaken to a maximum of six hours.

GRADUATE COURSE

700 Interdisciplinary or Transdisciplinary Seminar. (3) A.

DEPARTMENT OF
ART

R. Adams, Chair; Civey, Dewey, Dozier, Glotzbach, Halbrooks, C. Hale, P. Harris, Helmuth, R. Isaacs, Kurzinger, Todd, Whitcopf.

The Department of Art offers curricula designed to develop the skills and understandings necessary to professional practice in the visual arts, to the teaching of art in the elementary and secondary schools, and to more complete living in our contemporary society.

The curricula are arranged in two undergraduate degree programs, a Bachelor of Arts and a Bachelor of Fine Arts, and one graduate degree program in cooperation with the Graduate School and the College of Education.

Art
MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **30 hours**
ART 100, 101, 102, 103, 202, 203, 207, 330, 562, and three hours art history elective.
Supporting Course Requirements ..... **6 hours**
ART 390 and 391; 12 hours (or the equivalent) in a foreign language is strongly recommended.
General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **37 hours**
Total Curriculum Requirements ..... **128 hours**

Art (Teaching)
MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **30 hours**
ART 100, 101, 102, 103, 202 or 239, 203, 204, 207, 430, and 562.
Supporting Course Requirements ..... **34 hours**
ART 390, 391, EDF 102, 202, 317, EPY 318, ESE 440, 498, and 499.
General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **9 hours**
Total Curriculum Requirements ..... **128 hours**

Art (Teaching)
AREA OF CONCENTRATION (BACHELOR OF ARTS)

Area Requirements ..... **48 hours**
ART 100, 101, 102, 103, 202, 203, 204, 207, 239, 307, 330, 430, 562, three hours art history elective, and six hours art electives.
Supporting Course Requirements ..... **34 hours**
ART 390, 391, EDF 102, 202, 317, EPY 318, ESE 440, 498, and 499.
General Education Requirements ..... **49 hours**
Standard General Education program, excluding course categories 07 and 08. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **131 hours**

MINOR IN ART

A student may minor in art (non-teaching) by completing a minimum of 18 hours as follows: ART 102, 103, 390 or 391, and nine hours of art electives.

MINOR IN ART (TEACHING)

A student may minor in art (teaching) by completing a minimum of 21 hours as follows: ART 102, 103, 390 or 391, 430, and nine hours of art electives.

Bachelor of Fine Arts Degree

The Bachelor of Fine Arts (B.F.A.) degree is a highly specialized degree program designed to prepare the student for professional practice in the visual arts. The program offers six primary options: Ceramics, Design, Jewelry and Metalsmithing, Painting, Printmaking and Sculpture. The program contains 73 semester hours of art, 18 of which are in a primary option and nine of which are in a secondary option with the remaining 46 in an art core. Each student will complete a primary option and a secondary option except those in design who complete a 27 semester hour primary option with no secondary option.

A student will be eligible to apply for entrance in to the program in the last semester of the sophomore year or in the first semester of the junior year provided that the following courses have been completed: ART 100, 101, 102, 103, 202, 203, 207, 239, 330, and one elective in the proposed B.F.A. area and have maintained a 3.0 grade point average or higher in all art courses and have a minimum of at least twenty-four hours to be taken in the B.F.A. program as a candidate for the B.F.A. degree. In addition, the student is required to pass, by the required dates, a portfolio entrance review, a mid program portfolio review, a final exhibition review, and submit an acceptable thesis.

A student wishing to pursue the B.F.A. degree should consult with the departmental advisor to be assigned a *pre-B.F.A.* designation and to obtain a copy of the Entrance Criteria and Degree Requirements for the B.F.A. prior to application for admission to the program.

Art

PRIMARY AND SECONDARY OPTIONS (BACHELOR OF FINE ARTS)

Major Requirements ..... **73 hours**

Art Core ..... **46 hours**
ART 100, 101, 102, 103, 202, 203, 204, 207, 239, 307, 330, 390, 391, 499, 562, and an art history elective.

Primary Option (18 or 27 hours)

Ceramics ..... **18 hours**
ART 348, 359, 459, and 469 for nine hours.

Design ..... **27 hours**
With specialties in Advertising, Corporate Design, Illustration, Packaging. Common course requirements for all specialties: ART 205, 206, 350, 351, 449, 450, and 455 with additional requirements of IET 311 and MKT 320 for Advertising; MKT 300 and MKT 450 for Corporate Design; ART 304 and 403 for Illustration; MKT 300 and MKT 320 for Packaging.

Jewelry and Metalsmithing ..... **18 hours**
ART 339, 340, 342, and 439 for nine hours.

Painting ..... **18 hours**
ART 303, 304, 331, 403 for six hours, and 503.

Printmaking ..... **18 hours**
ART 331; six hours from ART 332, 333, 334, or 335; and ART 437 for nine hours.

Sculpture ..... **18 hours**
ART 347 and 426 for nine hours each.

Secondary Option (9 or 0 hours)

Ceramics ..... **9 hours**
ART 348 and 359 for six hours.

Drawing ..... **9 hours**
ART 300, 301, and 401.

Jewelry and Metalsmithing ..... **9 hours**
ART 339, 340, and 342.

Painting ..... **9 hours**
ART 303, 304, and 403.

Printmaking ..... **9 hours**
ART 331, and six hours from ART 332, 333, 334 or 335.

Sculpture ..... **9 hours**
ART 347 for nine hours.

General Education Requirements ..... **49 hours**
Standard General Education program, excluding course categories 07 and 08. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **6 hours**

Total Curriculum Requirements ..... **128 hours**

GRADUATE PROGRAMS

The Master of Arts in Education degree with an option in Art is offered in the College of Education with the cooperation of the Department of Art. The regulations for the degree may be found in the College of Education section of the Graduate Catalog.

Course Descriptions

ART—Art

100 Drawing I. (3) I. Introduction to the basic principles of drawing, placing emphasis on design with value, line, and texture.

101 Drawing II. (3) II. Prerequisite: ART 100. Continuation of Drawing I; observation of natural forms.

102 Design, Two-Dimensional. (3) I. Introduction to the abstract characteristics of design with color, line, and texture.

103 Design, Three-Dimensional. (3) II. Introduction to the methods, materials, and concepts related to the control of space.

117 Drawing and Design. (3) I, II. Introduction to basic knowledge and skills in art through pencil, tempera, water color, and chalk; emphasis on development of understanding and appreciation of design.

200 Art Appreciation: Orientation. (3) I, II. Introduction to the visual arts and their purposes, emphasis on ways and means available to the artist. Student has opportunity for individual expression through a visual arts medium. Not open to art majors or minors. Gen. Ed. 07.

202 Ceramics I. (3) A. Introductory experiences with ceramic forming methods, decorating techniques and materials. Emphasis placed upon the application of clay to design problems involving aesthetic value and procedure in the making of fine objects.

203 Painting I. (3) I. Prerequisites: ART 101 and 102. Design with color, line, and texture with emphasis on color.

204 Painting II. (3) II. Prerequisite: ART 203. Problems in color, line and texture as they relate to painting media.

205 Art Photography. (3) A. Prerequisite: ART 102, 103, or instructor approval. Introductory course in photography as a visual arts medium.

206 Design I. (3) II. Prerequisites: ART 101 and 102. Introduction to the world of professional design, its physical and philosophical makeup. Discussion of varied applications of design and problem solving in each of the areas of specialization.

207 Sculpture Survey I. (3) I. Prerequisite: ART 103. Provides an introduction to basic sculpture problems, approaches, and techniques. Problems are set in additive, subtractive, and substitutive processes.

239 Jewelry and Metalsmithing I. (3) I, II. Prerequisite: ART 103. Introductory course covering the basic metal forming and joining techniques of forging, raising, piercing, soldering. Nonferrous metals used.

300 Drawing Media. (3) A. Prerequisite: ART 101. Selected drawing media are investigated.

301 Figure Drawing. (3) A. Prerequisite: ART 101. A course designed to develop an increased understanding of the logic of natural forms with the human figure as the principal source of information.

303 Figure Painting. (3) A. Prerequisite: ART 204. Painting problems involving the human figure.

304 Painting Media. (3) A. Prerequisite: ART 204. An investigation of oil, polymer, encaustic, and lacquer media to determine their applicability to the needs of the artist.

307 Sculpture Survey II. (3) A. Prerequisite: ART 207. Continuation of the introduction to basic sculptural problems, approaches, and techniques begun in ART 207. Problems are set in constructive foundry processes.

330 Printmaking I. (3) A. Prerequisites: ART 101 and 102. Basic experiences in relief, intaglio, planographic, and stencil processes.

331 Printmaking II. (3) A. Prerequisite: ART 330. Continuation of ART 330 with emphasis placed on concepts and techniques of lithography and etching.

332 Intaglio Printmaking. (3) A. Prerequisite: ART 331. In-depth investigation of intaglio techniques. Includes softground, sugarlift, aquatint, engraving, and etching. Color is introduced.

333 Lithography. (3) A. Prerequisite: ART 331. An in-depth investigation of the planographic processes. Drawing, design, and technique are emphasized. Color techniques included.

334 Serigraphy. (3) A. Prerequisite: ART 331. An in-depth investigation of silkscreen techniques. Color introduced.

335 Relief Printmaking. (3) A. Prerequisite: ART 331. An in-depth investigation of relief printing methods stressing woodcut, wood engraving, and collagraphs. Color introduced.

339 Jewelry and Metalsmithing II. (3) A. Prerequisite: ART 239. Die forming, embossing, piercing, soldering, chasing, and reposse. Joining methods other than soldering introduced.

340 Jewelry Fabrication. (3) A. Prerequisite: ART 339. In-depth study of fabrication techniques such as: piercing, wirework, chasing and reposse, nillo, reticulation, and plating. Metal may be combined with wood, stone, ivory, or leather.

342 Jewelry Casting. (3) A. Prerequisite: ART 339. Involves lost wax casting with the centrifugal, vacuum, and gravity pour processes. Bronze, silver, gold, and pewter used.

347 Problems in Sculptural Form. (3, 6) A. Prerequisite: ART 307. Involves in-depth exploration of sculptural problems and processes. May be retaken to a maximum of nine hours.

348 Ceramics II. (3) A. Prerequisite: ART 202. Basic formulation of clay and glazes.

349 Cooperative Study: Art. (1-8)A. Prerequisite: department approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

350 Design II. (3) A. Prerequisite: ART 206. Problem solving in the areas of packaging design, corporate design, advertising design, and illustration.

351 Design III. (3) A. Prerequisite: ART 350. Continuation of ART 350 with emphasis in one of the design areas. Discussions of design environments and philosophies.

359 Ceramics III. (3) A. Prerequisite: ART 348. Fundamental structural problems of ceramic sculpture. May be retaken to a maximum of six hours.

390 Survey of Art History I. (3) I, II. Study of art from prehistoric times through the Gothic period. Gen. Ed. 07.

391 Survey of Art History II. (3) I, II. Study of art from the Renaissance to the present day. Gen. Ed. 07.

393 Greek and Roman Art. (3) A. Prerequisite: ART 390 or instructor approval. Study of the history of the classical Greek and Roman architecture, sculpture, and painting from the beginnings of Greek art to the time of Constantine.

394 Twentieth Century Painting. (3) A. Prerequisite: ART 391 or instructor approval. Study of the history of European and American painting from 1900 to the present.

395 Nineteenth Century Painting. (3) A. Prerequisite: ART 391 or instructor approval. Study of major painting styles of the century, including neoclassicism, romanticism, realism, impressionism, and post impressionism.

401 Advanced Drawing. (3) A. Prerequisites: ART 300 and 301. Advanced problems in drawing with emphasis on the drawing as a complete work rather than a preliminary study.

403 Advanced Painting. (3) A. Prerequisites: ART 303 and 304. Advanced problems in pictorial organization. May be retaken to a maximum of six hours.

426 Advanced Sculpture. (3-6) A. Prerequisite: six hours in ART 347. Sculptural interests defined and directed. Provides for preparation of a portfolio. May be retaken to a maximum of nine hours.

430 Materials Inquiry in Art Education. (3) I. Prerequisite: open to senior art students who plan to teach. Diversified inquiry into art materials and processes in the elementary and secondary schools.

437 Advanced Printmaking. (3, 6, or 9) A. Prerequisite: six hours of 300 level printmaking. The student is free to pursue a program of individual interest. Emphasis placed on creativity and professionalism. May be retaken to a maximum of nine hours.

439 Research in Metalwork. (3, 6, or 9) A. Prerequisites: ART 340 and 342. The student pursues an individualized direction and designs unique problems with the approval of instructor. May be retaken to a maximum of nine hours.

449 Design IV. (3) A. Prerequisite: ART 351. Concentrated exploration in design with emphasis on area of specialization chosen by student. Includes proposal writing and or presentation techniques.

450 Senior Portfolio. (3) A. Prerequisite: ART 449. Design, fabrications, and sample preparation of portfolio. Discussion of procedures, methods, philosophies, working environments of specific design situations, and identification of contacts for job placement.

455 Advanced Photography. (3) A. Prerequisite: ART 205. In-depth study of darkroom techniques and creative uses of camera.

459 Ceramics IV. (3) A. Prerequisite: ART 359. Kiln construction and firing techniques.

469 Ceramics V. (3, 9) A. Prerequisite: ART 459. Independent work, final project.

490 Medieval Art. (3) A. Prerequisite: ART 390 or instructor approval. Development of art in Eastern and Western Europe from 313-1400 A.D.

491 Seventeenth and Eighteenth Century Art. (3) A. Prerequisite: ART 391 or instructor approval. Architecture, sculpture, and painting in Europe and the Americas from 1600-1800.

499 Senior Exhibition. (1) A. Prerequisite: graduating senior in the Bachelor of Fine Arts Degree program. Organization and presentation of an exhibition of the student's work.

503 Independent Work in Painting. (3) A. Prerequisite: ART 403. Emphasis is placed upon individual expression. May be retaken to a maximum of nine hours.

540 Workshop in Art. (1-3) A. Intensive study in a specific phase of the visual arts. Current processes, materials, and theoretical foundations will be considered. May be retaken to a maximum of nine hours.

562 Seminar in Art Criticism. (3) A. Prerequisites: ART 390 and 391. Study of various topics and problems which relate to the student's understanding and critical awareness of the visual arts.

563 Problems in Art. (3) A. Prerequisite: all departmental courses in problem area identified. Limited to seniors. Continuation of study begun in regular departmental courses. May be retaken to a maximum of nine hours.

590 Italian Renaissance Art. (3) A. Prerequisite: ART 391 or instructor approval. In-depth study of selected aspects of the painting, sculpture, and architecture of Italy between 1400 and 1600. The graduate student will be expected to prepare a scholarly paper.

GRADUATE COURSES

703 Independent Work in Painting. (3) A.
740 Workshop in Art. (1-3) A.
762 Seminar in Art Criticism. (3) A.
763 Problems in Art. (3) A.
790 Italian Renaissance Art. (3) A.
821* Drawing. (3) A.
822* Painting. (3) A.
827* Sculpture. (3) A.
829* Ceramics. (3) A.
830* Printmaking. (3) A.

*Courses in the series, ART 821 through ART 830, share the prerequisite: six hours of work in the specialization named or instructor approval. Students may register for no more than nine hours of any specialization offered.

DEPARTMENT OF
ENGLISH

Hart, D., Chair; A., Algier, Allameh, Baechtold, Bedetti, Bennett, Blythe, Bright, Brock, H. Brown, R. Burkhart, G. Cheatham, J. Cheatham, Clewett, Conaway, Core, J. Culross, T. Culross, B. Engle, Flory, Freed, Geiger, G. Gray, M. Grise, Harnack, O. Hill, Hunt, Hussey, F. Johnson, Kopacz, Latta, Lee-Riffe, Long, M. Maclaren, Mangus, Mortland, W. Nelson, Patrick, B. Plummer, Remaley, Sowders, D. Sutton, W. Sutton, Sweet, Warming, Warner, Whitaker, I. White, Wilkerson, Witt.

The Department of English offers instruction in literature, in writing, and in language study. This instruction is designed for the student who plans to teach, for the pre-professional student, and for the student who wants to broaden his/her critical insight into the nature of language and of literature.

The Department also offers instruction in reading and study skills, basic instruction for speakers of English as a second language, and refresher courses for students who have been away from formal learning situations for a period of time or who need to develop basic skills before entering advanced courses.

Academic assistance, offered through individual and small group tutorials, is one of the services available to students through the department.

English

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 33 hours
ENG 301, 302**; three courses from ENG 350, 351, 352, or 353; and a minimum of 18 additional upper level hours, at least nine of which must be either in literature at the 400 or 500 levels or in upper level writing courses.

Supporting Course Requirements ..... 6 hours
Six hours of a particular foreign language at the 200 level. In addition, the major is strongly advised to take courses in speech, in history, and in other allied disciplines.

General Education Requirements ..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 34 hours

Total Curriculum Requirements ..... 128 hours

**Should be taken before enrolling in upper level literature courses (with the exception of ENG 350, 351, 352, and 353).

English (Teaching)

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 33 hours
ENG 211, 212, 301, 302**; 350 or 351; 352 or 353; 410; 510 or 520; and at least nine additional upper level hours, three of which must be in British literature and three of which must be in American literature. ENG 405 is strongly recommended as an elective for all teaching majors and minors.

Supporting Course Requirements ..... 9 hours
SPE 100 or 300, and six hours of a particular foreign language at the 200 level.

Teacher Education Requirements ..... 31 hours
EDF 102, 202, 317, EPY 318, ESE 443, 498, 499, and 574.

General Education Requirements ..... 49 hours
Standard General Education program, excluding course categories 05 and 06. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 6 hours

Total Curriculum Requirements ..... 128 hours.

**Should be taken before enrolling in upper level literature courses (with the exception of ENG 350, 351, 352, and 353).

MAJOR IN ENGLISH (TEACHING AREA) BACHELOR OF ARTS

A student may take a teaching area in English by earning at least 51 hours, including ENG 101 and 102 (or 105). In general, the student may follow the curriculum for a major, adding at least 12 hours selected in conference with the advisor.

MINOR IN ENGLISH

Requirements ..... 18 hours
ENG 301, 302**, and at least 12 additional upper level hours in literature and/or writing courses.

**Should be taken before enrolling in upper level literature courses (with the exception of ENG 350, 351, 352, and 353).

MINOR IN ENGLISH (TEACHING)

Requirements ..... 21 hours
ENG 301, 302**; 350 or 351; 352 or 353; 410; 510 or 520; and at least three additional upper level hours. ENG 405 is strongly recommended as an elective for all teaching majors and minors.

Supporting Course Requirements ..... 3 hours
ESE 574.

**Should be taken before enrolling in upper level literature courses (with the exception of ENG 350, 351, 352, and 353).

MINOR IN COMPARATIVE LITERATURE

Requirements ..... 21 hours
ENG 330 (Prerequisites for ENG 330 include ENG 211, 212, and 12 hours, or equivalent, of any one foreign language), nine hours upper division literature courses of one selected foreign language, and one of the following emphases: A. ENG 352 or 353, and six hours British Literature*; B. ENG 350 or 351, and six hours American Literature*; C. nine hours of upper division literature courses of a second selected foreign language.

*Certain courses (ENG 335, 337, 340, 345, 531, 535, and 545) may qualify as either British or American literature, but only one of these may count toward the minor. NOTE: Course selections shall be guided by the Chair in the Department of English, consulting with faculty in the selected languages, and may explore some literary period, topic, or genre.

GRADUATE PROGRAMS

The Master of Arts Degree in English is offered under a thesis or a non-thesis option. Under either option, work includes preparation for independent study leading toward the Ph.D. in English, for teaching on the college and pre-college levels, and for other professional purposes. Under either option a student must pass a language reading examination in one foreign language (normally French, German, or Latin) before the Master's degree will be granted; however, the student may instead elect, unless the requirement has already been met, the completion of 12 hours (or the equivalent) of study in at least one language, acceptable to the student's graduate advisory committee. Also, under either option, at least half the course work must be at the 800 level.

The Masters of Arts in Education degree with an emphasis in English is offered in the College of Education with the cooperation of the Department of English.

For further information concerning graduate programs see the Graduate Catalog.

Course Descriptions

ENG—English

090 Basic Writing. I, II. A remedial course in composition emphasizing selected sentence basics and fundamental rhetoric to prepare students for ENG 095 and ENG 101. Exit exam required. Taken by referral or placement. Credit earned is institutional and cannot be used for graduation.

095 Developmental Composition. (3) I, II. An introductory course in composition emphasizing selected sentence basics and rhetoric for short essays and reports, to prepare students for ENG 101. Exit exam required. Taken by referral or placements. Credit earned is institutional and cannot be used for graduation.

101 English Composition I. (3) I, II. A writing course reviewing sentence basics and methods of paragraph development and emphasizing rhetoric for essays; style, organization, coherence, persuasion in written discourse;

extensive practice in composition for different purposes and audiences, study and practice to improve reading and speaking. Entrance and exit exam required. Gen. Ed. 01.

102 English Composition II. (3) I. II. Prerequisite: ENG 101 (or equivalent). A writing course reviewing components of ENG 101 and refining general composition skills; emphasis on expository and argumentative writing, including researched, documented papers and reports; study of research sources and methods and emphasis on analytical reading. Gen. Ed. 02.

105 English Composition Honors. (3, 6) I, II. Advanced writing course, reviewing fundamentals and emphasizing practice writing essays and reports, including researched, documented writing; practice to improve reading and speaking. Taken by referral or placement. Exit exam required. Students graded "A" or "B" will receive six hours credit for ENG 105; students with "C" or "D" will receive three hours credit for ENG 105 and must take ENG 102. Gen. Ed. 01 (02).

200 Topics in English:_____ (1-3) A. Prerequisite: ENG 101 and 102 (or 105). Introduction to areas of literature, writing, and language use through selected topics. Designed primarily for non-English majors; may be retaken with different topics to a maximum of six hours.

211 Survey of World Literature I. (3) I. II. Prerequisite. ENG 101 and 102 (or 105). Selected readings from masterpieces of world literature from ancient times through the Renaissance. Gen. Ed. 05.

212 Survey of World Literature II. (3) I. II. Prerequisite: ENG 101 and 102 (or 105). Selected readings from masterpieces of world literature from the 17th century to the present. Gen. Ed. 06.

242 Introduction to a Genre:_____. (2) A. Prerequisite: ENG 101 and 102 (or 105). Readings in either the novel, poetry, or short story; special emphasis on understanding and enjoying the literature. Designed primarily for non-English majors; may be retaken with different topics to a maximum of six hours.

244 Mystery and Detective Fiction. (2) A. Prerequisite: ENG 101 and 102 (or 105). History of mystery and detective fiction. Study of the genre's basic characteristics as well as its cultural ramifications.

245 Science Fiction. (2) A. Prerequisite: ENG 101 and 102 (or 105). A survey of science fiction from Mary Shelley to the present.

300 Technical/Professional Writing. (3) A. Prerequisite: ENG 101 and 102 (or 105). Advanced study and application of principles of effective technical writing in various forms; emphasis on reports. Special sections arranged in cooperation with professional programs.

301 Advanced Composition. (3) I. II. Prerequisite: ENG 101 and 102 (or 105). Refinement of writing skills; application of rhetoric in expository and argumentative writings; planning and writing a research paper.

302 Principles or Literary Study. (3) I. II. Prerequisite: ENG 101 and 102 (or 105). Introduction to the genres of poetry, short fiction, and drama, as well as to the traditional literary devices, the major critical approaches, and several bibliographical tools.

306 Introduction to Creative Writing. (3) A. Prerequisite: ENG 101 and 102 (or 105). Introduction to fundamentals of short story, poetry, play, or personal essay writing.

308 Autobiographical Writing and Research. (3) A. Prerequisite: ENG 101 and 102 (or 105). Discussion of full-length American, British, Continental, and non-Western autobiographies and modern theories of autobiographical writing; practice of autobiographical writing and research.

330 The Comparative Study of Literature. (3) A. Prerequisites: ENG 211, 212, and 12 hours (or equivalent) in any one foreign language (i.e., ability equal to completion of the first four courses in the language to be used in the Comparative Literature Minor). Critical methods in comparative study of literature; practical, historical, and theoretical problems from at least two linguistic and cultural traditions.

334 Modern Poetry. (3) A. Prerequisite: ENG 101 and 102 (or 105). Survey of representative British and American poets from Hopkins and Dickinson to the present.

335 Modern Drama. (3) A. Prerequisite: ENG 101 and 102 (or 105). Study of representative Continental, British, and American plays from Ibsen to the present.

337 Biblical Narrative and Verse. (3) A. Prerequisite: ENG 101 and 102 (or 105). Study of selected narratives and verse from the Old Testament, apocrypha, and New Testament from distinctly literary perspectives.

340 Classical Mythology. (3) A. Prerequisite: ENG 101 and 102 (or 105). Study in translation of Greek and Roman myths through historical, psychological, and literary approaches.

345 Literature and Film. (3) A. Cross listed as COM 345. Prerequisite: ENG 101 and 102 (or 105). An examination of the relationship between film and literature through a comparative study of the stylistic and technical elements of the two media.

349 Cooperative Study: English. (1-8) A. Prerequisite: department approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight associate; sixteen baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

350 American Literature I. (3) I. Prerequisite: ENG 101 and 102 (or 105). Survey of American literature from the beginnings to Whitman; emphasis on Cooper, Bryant, Emerson, Poe, Hawthorne, Melville and Thoreau.

351 American Literature II. (3) II. Prerequisite: ENG 101 and 102 (or 105). Survey of American literature from Whitman to the present; emphasis on Whitman, Dickinson, Twain, James, Faulkner, Frost and Eliot.

352 English Literature I. (3) I. Prerequisite: ENG 101 and 102 (or 105). English literature from Beowulf through the 18th century; special emphasis on Chaucer, Spenser, Shakespeare Donne, Milton, Dryden, Pope, Swift, and Johnson.

353 English Literature II. (3) II. Prerequisite: ENG 101 and 102 (or 105). English literature from the Romantics to the present; emphasis on Wordsworth, Keats, Tennyson, Browning, Arnold, Hardy, Yeats, and Joyce.

355 Twentieth-Century American Fiction. (3) A. Prerequisite: ENG 101 and 102 (or 105). Survey of representative American novels and short stories of the 20th century.

359 Kentucky Literature. (3) A. Prerequisite: ENG 101 and 102 (or 105). Study of Kentucky's literary tradition from its beginning to the present; emphasis on Elizabeth Madox Roberts, Allen Tate, Harriet Arnow, and Robert Penn Warren.

375 Twentieth-Century British Fiction. (3) A. Prerequisite: ENG 101 and 102 (or 105). Survey of representative British novels and short stories of the 20th century.

405 Survey of Theories of Composition.(3) A. Prerequisite: ENG 101 and 102 (or 105) and 301. An introductory course surveying theories of composition and applying these theories to instruction of composition.

410 Grammar, Traditional and Modern. (3) A. Prerequisites: ENG 101 and 102 (or 105) and 301. Grammatical structure of American English and present-day terminology used to describe that structure; analysis of the linguistic and grammatical theories underlying contemporary grammar texts.

430 Dramatic Literature. (3) A. Cross listed as THE 430. Survey of the major periods and genres of world dramatic literature, from the Greeks to the present; selected readings from the major playwrights, critics and theorists.

452 American Romanticism. (3) A. Prerequisite: ENG 101 and 102 (or 105). A study of the 19th century Romantic movement, concentrating on selected major authors through Whitman.

454 American Realism. (3) A. Prerequisite: ENG 101 and 102 (or 105). A study of the American Realistic movement from the late nineteenth century through the 20th century, concentrating upon selected major authors from Twain to the present.

470 Chaucer and His Age. (3) A. Prerequisite: ENG 101 and 102 (or 105). A study of selections from Chaucer, the *Pearl* poet, Langland, Malory, medieval drama and lyrics.

472 Renaissance Literature. (3) A. Prerequisite: ENG 101 and 102 (or 105). A study of Tudor poetry and prose and Elizabethan and early Stuart drama, exclusive of Shakespeare.

474 Shakespeare. (3) A. Prerequisite: ENG 101 and 102 (or 105). Study of Elizabethan England as a background for Shakespeare's works; extensive reading of several plays; intensive reading of selected drama and poetry.

476 Milton and His Age. (3) A. Prerequisite: ENG 101 and 102 (or 105). A study of Milton's works, the Cavalier and metaphysical poetry, the masque, and the prose of the period.

478 Literature of the Restoration and Eighteenth Century. (3) A. Prerequisite: ENG 101 and 102 (or 105). British poetry, prose, and drama of the Restoration and 18th century with emphasis on Dryden, Swift, Pope, and Johnson.

480 Romantic Literature. (3) A. Prerequisite: ENG 101 and 102 (or 105). Survey of British poetry, essays, and fiction of the Romantic period.

482 Victorian Literature. (3) A. Prerequisite: ENG 101 and 102 (or 105). Survey of British poetry, essays, and fiction of the Victorian period.

495 Independent Study. (3) A. Prerequisite: department approval. Individual study and/or research on a problem pertaining to literature or language.

500 Advanced Professional Writing:_____. (3) A. Prerequisites: ENG 101 and 102 (or 105) and either two additional courses in English or instructor approval. Advanced study and practice in editing, technical writing, expository writing, or writing for the popular media. May be retaken with different topics to a maximum of six hours.

502 Advanced Creative Writing. (3) A. Prerequisites: ENG 101 and 102 (or 105) and instructor approval. Open to students who desire to have their manuscripts criticized; fiction, drama, poetry, biography, or the informal essay accepted; guest lectures and discussion with writers in residence.

503 Creative Writing Workshop. (1-3) A. Prerequisites: ENG 101 and 102 (or 105) and instructor approval. A one-week course of 15 informal lectures and discussions by faculty and visiting lecturers. Each student registering for the writer's conference must submit a short story, a one-act play, four poems, or the equivalent.

510 Introduction to Linguistic Theory. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two additional courses in English. An introduction to current linguistic theory and practice.

515 English as a Second Language. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two additional courses in English. Study of theory related to techniques used in generating effective use of English as a second language.

520 History of the English Language. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two additional courses in English. Study of the history of the English language in terms of social, historical, and linguistic forces from which it developed into modern English.

530 Studies in a Genre:_____. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two additional courses in literature. Study of a designated literary genre, such as Renaissance drama, the rise of the novel, or narrative poetry. May be retaken with different topics to a maximum of six hours.

531 Genre in Translation:_____.(3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature. Study of a designated literary genre primarily in translation, such as the epic, classical drama, or Continental fiction. May be retaken with different topics to a maximum of six hours.

535 Women Writers. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature. Study of literature by women writers.

540 Study of Popular Writings. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature. Exploration of the humanistic and cultural values expressed in popular formats through a survey of best sellers, the new journalism, detective fiction, science fiction, newspapers, and TV scripts.

545 Topics in Literary Relationships:_____. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature. An intensive study of literature as it relates to other disciplines. May be retaken with different topics to a maximum of six hours.

550 Topics in American Literature:_____. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature. An intensive study of a particular literary movement, a theme common to American literature, or contemporary directions/experiments in American literature. May be retaken with different topics to a maximum of six hours.

570 Topics in British Literature:_____. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature. An intensive study of a particular literary movement, a theme common to British literature, or contemporary directions/experiments in British literature. May be retaken with different topics to a maximum of six hours.

GRADUATE COURSES

700 Advanced Professional Writing: _____. (3) A.
702 Advanced Creative Writing. (3) A.
703 Creative Writing Workshop. (1-3) A.
710 Introduction to Linguistic Theory. (3) A.
715 English as a Second Language. (3) A.
720 History of the English Language. (3) A.
730 Studies in a Genre: _____. (3) A.
731 Genre in Translation: _____. (3) A.
735 Women Writers. (3) A.
740 Study of Popular Writings. (3) A.
745 Topics in Literary Relationships: _____. (3) A.
750 Topics in American Literature: _____. (3) A.
770 Topics in British Literature: _____. (3) A.
800 Problems in Writing. (3) I.
804 Seminar in Creative Writing: _____. (3) A.
807 Advanced Study of Language: Theory and Application. (3) A.
808 Modern Theories of Composition. (3) A.
809 Seminar in Writing and Research. (3) A.
810 Seminar in Linguistics. (3) A.
825 Old English. (3) A.
833 Literary Criticism. (3) A.
850 Seminar in Early American Literature. (3) A.
853 Seminar in Nineteenth-Century American Literature. (3) A.
854 Seminar in Twentieth-Century American Literature. (3) A.
870 Seminar in Medieval Literature. (3) A.
873 Seminar in Renaissance Literature. (3) A.
874 Seminar in Shakespeare. (3) A.
876 Seminar in Restoration and Eighteenth-Century Literature. (3) A.
878 Seminar in Nineteenth-Century British Literature. (3) A.
880 Seminar in Twentieth-Century British Literature. (3) A.
890 Special Studies. (1-3) A.
898 Thesis I. (3) A.
899 Thesis II. (3) A.

GSL—Learning Skills

090 Developmental Reading. (3) I, II. Designed to develop reading skills through classroom instruction, discussion, and learning activities. Taken by referral or placement. Institutional credit when exit level attained.

095 Reading Comprehension. (3) I, II. Designed to meet the instructional needs of students who have basic command of reading sub-skills but who lack the higher-level reading. Taken by referral or placement. Institutional credit when exit level attained.

112 College Reading/Study Skills. (3) I, II. Prerequisite: GSL 095; Passing the Reading Screening Examination or ACT Composite of 14+. Emphasizes development of higher-level reading skills and study strategies. Instruction and practice in textbook reading, summary writing, listening, notetaking, vocabulary, test-taking, and learning techniques. Cannot receive credit if taken after GSL 115. Gen Ed. 03.

115 Learning Dynamics. (1) I, II. Five-week course concentrates on learning techniques for efficient and effective study of college reading materials. Emphasis on learning, storing, and retrieving information. Credit not available for students with credit for GSL 112. Gen. Ed. 03.

116 Rapid Reading. (1) I, II. Five-week course concentrates on increasing reading efficiency by improving rate and comprehension. Emphasis on acquisition of skills and application of techniques. Gen. Ed. 03.

201 Vocabulary-Symbolics of Information. (3) I, II. Mastery of wide range college-level vocabulary for reading, writing, speaking and listening. Instructions in using context and Greek and Latin elements to unlock meaning. Includes practice in solving verbal analogies. Gen. Ed. 03.

225 Efficient Reading. (1) A. Concentrates on refining the ability to process information with flexibility and sophistication through systematic use of higher-level reading skills.

006 Basic Communication Skills for International Students. (3-6 equivalent) A. Non-credit, intensive English language instruction for non-native speakers with pre-college-level proficiency. Instruction in English language skills of listening, speaking, reading, and survival communication skills.

DEPARTMENT OF

FOREIGN LANGUAGES

T. Langenbruch, Chair; Bettler, Boyd, S. Burkhart, Carter, K. Hill, R. King, MacKinnon, C. Nelson, M. Scorsone, Spurlock, Wowk.

The Department of Foreign Languages offers courses in French, German, Greek, Italian, Latin, Portuguese, Russian, and Spanish. A student may take a teaching major in French, German, or Spanish, or a teaching minor in French, German, Russian, or Spanish. Students may also take non-teaching majors or minors in French, German or Spanish.

In addition to these language programs, a student may also take a non-teaching minor in Russian or Ibero-American Studies.

The Ibero-American Studies minor is an inter-disciplinary program offered in cooperation with the Departments of Anthropology, Sociology, and Social Work, Economics, Geography, Government and History.

The Master of Arts in Education degree with an option in French or Spanish is offered in the College of Education with the cooperation of the Department of Foreign Languages. The regulations for the degree may be found in the Graduate Catalog.

Students who enter Eastern with some knowledge of a foreign language, and who want to continue studying that language, will be helped to find the course type or particular course best suited for them through a placement examination. For more information, please consult with the department office.

FRENCH

MAJOR (BACHELOR OF ARTS)

Major Requirements . . . . . 30 hours
A student may major in French by completing a minimum of 30 semester hours in French courses numbered 200 and above. The following courses are required: FRE 340, 360, six hours from FRE 303, 313, 314, 315, 316, or 400, and nine hours of upper division electives. The major is strongly advised to take six hours in a second foreign language. In addition, the student is strongly advised to take three hours each in upper division English courses in grammar and literature.

General Education Requirements . . . . . 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives . . . . . 43 hours

Total Curriculum Requirements . . . . . 128 hours

FRENCH (TEACHING)

MAJOR (BACHELOR OF ARTS)

Major Requirements . . . . . 30 hours
A student may major in French by completing a minimum of 30 semester hours in French courses numbered 200 and above. The following courses are required: FRE 340, 360; six hours selected from FRE 303. 313, 314, 315, 316, or 400; and nine hours of upper division electives. (A 21-hour teaching minor is also required: see degree requirements of the College of Arts and Humanities in this Catalog.) The major is strongly advised to take six hours in a second foreign language. In addition, the student is strongly advised to take three hours each in upper division English courses in grammar and literature.

Teacher Education Requirements . . . . . 28 hours
EDF 102, 202, 317, EPY 318, ESE 443, 498 and 499.

General Education Requirements . . . . . 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives . . . . . 15 hours

Total Curriculum Requirements . . . . . 128 hours

MINOR IN FRENCH

A student may minor in French by completing a minimum of 21 hours in French, 12 hours of which must be in courses numbered 300 and above. The following courses are required: FRE 303 or another literature courses, 340, and 360.

MINOR IN FRENCH (TEACHING)

A student may minor in French by completing a minimum of 21 semester hours in French, 12 of which must be in courses numbered 300 and above. The following courses are required: FRE 303 or another literature courses, 340, and 360. Supporting course requirement: FCC 220.

GERMAN

MAJOR (BACHELOR OF ARTS)

Major Requirements . . . . . 30 hours
A student may major in German by completing a minimum of 30 semester hours in German courses numbered 200 and above. The following courses are required: six hours from GER 240, 340, or 540; 301 or 302; 360, 505, and FCC 222.
The major is strongly advised to take six hours in a second foreign language. In addition, the student is strongly advised to take three hours each in upper division English courses in grammar and literature.

General Education Requirements . . . . . 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives . . . . . 43 hours

Total Curriculum Requirements . . . . . 128 hours

GERMAN (TEACHING)

MAJOR (BACHELOR OF ARTS)

Major Requirements . . . . . 30 hours
A student may major in German by completing 30 hours of German, at least 27 hours of which must be in courses numbered 200 and above. The following courses are required: six hours from GER 240, 340, or 540; 301 or 302; 360, 505, and FCC 222. State certification requirement of 30 hours may include GER 101 and 102. (A 21-hour teaching minor is also required; see degree requirements of the College of Arts and Humanities in this Catalog.) The major is strongly advised to take six hours in a second foreign language. In addition, the student is strongly advised to take three hours each in upper division English courses in grammar and literature.

Teacher Education Requirements . . . . . 28 hours
EDF 102, 202, 317, EPY 318, ESE 443, 498, and 499.

General Education Requirements . . . . . 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives . . . . . 15 hours

Total Curriculum Requirements . . . . . 128 hours

MINOR IN GERMAN

A student may minor in German by completing a minimum of 18 semester hours in German courses numbered 200 and above. The following are required: three hours from GER 240, 340, or 540; 301 or 302; 360 or 505; and FCC 222.

MINOR IN GERMAN (TEACHING)

A student may minor in German by completing a minimum of 21 hours in German, 18 of which must be in courses numbered 200 and above. The following are required: three hours from GER 240, 340, or 540; 301 or 302; 360 or 505; and FCC 222. State certification requirements of 21 hours may include GER 101 and 102.

COMPREHENSIVE AREA MINOR IN IBERO-AMERICAN STUDIES

Prerequisite: 12 hours SPA or equivalent.

Minor Requirements ..... 18 hours

A student may minor in Ibero-American Studies (non-teaching) by completing a total of 18 semester hours as follows: POR 501 and 502; three hours from FCC 225, 226, HIS 383, or 585; nine hours electives in Ibero-American content courses of interdisciplinary nature with the unifying theme of Ibero-American Studies. Courses will be elected in consultation with advisor and approved by the Department of Foreign Languages and the department offering the course in question. At least two different academic disciplines must be represented.

Russian

MINOR IN RUSSIAN

A student may minor in Russian by completing 18 hours in Russian courses numbered 200 and above.

MINOR IN RUSSIAN (TEACHING)

A student may minor in Russian by completing a minimum of 21 hours in Russian. The following courses are required: RUS 201, 202, 206, 305, 306, and three hours of RUS 400. State certification requirements of 21 hours may include RUS 101 and 102. FCC 224 is strongly recommended.

Spanish

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 30 hours

A student who majors in Spanish (non-teaching) will take a minimum of 30 semester hours in courses numbered 200 and above. The major is strongly advised to take six hours in a second foreign language.

General Education Requirements ..... 55 hours

Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 43 hours

Total Curriculum Requirements ..... 128 hours

Spanish (Teaching)

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 30 hours

A student may major in Spanish by completing a minimum of 30 hours with at least 27 semester hours in courses numbered 200 and above. The following courses are required: SPA 206 or 340, (waived in case of demonstrable oral proficiency); six hours from 301, 305, 306, or 307; and 360 or 505. The major is strongly advised to take six hours in a second foreign language.

Teacher Education Requirements ..... 28 hours

EDF 102, 202, 317, EPY 318, ESE 443, 498, and 499.

General Education Requirements ..... 55 hours

Standard General Education Program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 15 hours

Total Curriculum Requirements ..... 128 hours

MINOR IN SPANISH

A student may minor in Spanish by completing a minimum of 18 semester hours in courses numbered 200 and above.

MINOR IN SPANISH (TEACHING)

A student may minor in Spanish by completing a minimum of 21 hours in Spanish, 18 of which must be in courses numbered 200 and above. The following courses are required: SPA 206 or 340 (waived in case of demonstrable oral proficiency); six hours from 301, 305, 306, or 307; and 360 or 505. State certification requirements of 21 hours may include SPA 101 and 102.

Course Descriptions

FCC—Foreign Culture and Civilization

220 French Culture and Civilization. (3) A. Introduction to the unique values and traditions of the French nation and of French-speaking peoples as reflected in their aesthetic, intellectual and other cultural achievements. Taught in English. Gen. Ed. 07.

222 German Culture and Civilization. (3) A. Introduction to the unique values and traditions of the German peoples as reflected in their aesthetic, intellectual, and other cultural achievements. Taught in English. Gen. Ed. 07.

224 Russian Culture and Civilization. (3) A. Introduction to the unique values and traditions of the Russian peoples as reflected in their aesthetic, intellectual, and other cultural achievements. Taught in English. Gen. Ed. 07.

226 Spanish-American Culture and Civilization. (3) A. Introduction to the unique values and traditions of the Spanish-American nations as reflected in their aesthetic, intellectual, and other cultural achievements. Taught in English. Gen. Ed. 07.

FLS—Foreign Language Studies

300 Elements of Foreign Language:_____. (3) A. Prerequisite: approval of Department of Foreign Languages and the student's major department. Introduces basic linguistic structures of major European languages, including pronunciation and intonation patterns; sharpens awareness of linguistic differences. Gen. Ed. 03 or 04.

FRE—French

100 French for Graduate Reading Knowledge. (3) A. Prerequisite: none. Accelerated study of reading skills for those students needing a reading knowledge of French. Cannot be used for major, minor, or general education credit.

101 Elementary French I. (3) I, II. Basic French conversation and grammar. Practice in speaking, comprehension, reading, and writing. Laboratory attendance required. Gen. Ed. 03 or 04.

102 Elementary French II. (3) I, II. Prerequisite. FRE 101 or equivalent proficiency. Continuation of FRE 101. Laboratory attendance required. Gen. Ed. 03 or 04.

201 Elementary French III. (3) I, II. Prerequisite: FRE 102 or equivalent proficiency. Continuation of FRE 102. Laboratory attendance required. Gen. Ed. 03 or 04.

204 Review of French Grammar. (3) I, II. Review of basic French grammar for students with two or more years of high school French or FRE 101, 102, and 201, or the equivalent. Gen. Ed. 03 or 04.

211 French Reading I. (3) A. Formerly FRE 202. Prerequisite: FRE 204 or equivalent proficiency. Emphasis on reading for comprehension and building vocabulary. Practice in oral discussions, grammar, and writing. Gen. Ed. 03 or 04.

212 French Reading II. (3) A. Prerequisite: FRE 211 or equivalent proficiency. Reading and comprehension of literary texts. Emphasis on building skills necessary for literature courses. Oral and written discussion of literary topics.

303 Introduction to French Literature. (3) A. Prerequisite. FRE 212 or equivalent proficiency. Selected readings from masterpieces of French literature with an introduction to the techniques of French literary analysis.

313 Masterpieces of the French Novel. (3) A. Prerequisite: FRE 212 or equivalent proficiency. A selection of the best French novels from all periods of French literary history, read in their entirety.

314 Classical French Theater. (3) A. Prerequisite: FRE 212 or equivalent proficiency. A study of 17th century theater with representative works of Corneille, Molière, and Racine.

315 French Lyric Poetry. (3) A. Prerequisite: FRE 212 or equivalent proficiency. Survey of French lyric poetry, with emphasis on the 16th and 19th centuries.

316 Contemporary French Literature. (3) A. Prerequisite: FRE 212 or equivalent proficiency. Representative works of the major French writers of the 20th century.

340 Intermediate French Phonetics. (3) A. Prerequisite: FRE 212 or equivalent proficiency. Intensive practice in the spoken language with emphasis on improving pronunciation and aural comprehension. The sound system of French is taught through phonetic exercises. Gen. Ed. 03 or 04.

349 Cooperative Study. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: 16. A minimum of 80 hours employment required for each semester hour credit.

350 Intermediate French Conversation. (3) A. Prerequisite: FRE 212 or equivalent proficiency. Intensive practice in conversation with emphasis on vocabulary building and improving fluency in the language.

360 Intermediate Grammar and Composition. (3) A. Prerequisite: FRE 204 or equivalent proficiency. Intensive grammar study and introduction to composition. Gen. Ed. 03 or 04.

400 French Literary Studies:_____. (3) A. Prerequisites: FRE 303, 313, 314, 315, or 316. A selected topic from the major French authors and literary movements. May be retaken to a maximum of six hours credit, if content is different.

435 French Stylistics. (3) A. Prerequisite: FRE 360 or equivalent proficiency. Develops flexibility and variety in modes of expression, from informal to literary styles. Emphasis on vocabulary enrichment and mastery of French syntax.

440 Introduction to Business French. (3) A. Prerequisite: FRE 340 or 360 or equivalent proficiency. Develops oral and written skills with emphasis on language of business, industry, and the professions.

495 Independent Work in French. (1-3) A. Prerequisite. departmental approval. May be counted toward major or minor only with permission of department chair. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

500 Special Studies in French Language:_____. (3) A. Prerequisite: FRE 360 or equivalent proficiency. A selected topic such as linguistics, history of the language, grammar, advanced speaking, or composition. May be retaken to a maximum of nine hours credit if content is different.

GRADUATE COURSES

700 Special Studies in French Language:_____. (3) A.
800 Special Studies in French Literature:_____. (3) A.

GER—German

100 German for Graduate Reading Knowledge. (3) A. Prerequisite: none. Accelerated study of reading skills for those students needing a reading knowledge of German. Cannot be used for major, minor, or general education credit.

101 Elementary German I. (3) I. II. Introduction to the grammar and structure of German. Practice in pronunciation, reading, writing, and conversation. Laboratory attendance required. Gen. Ed. 03 or 04.

102 Elementary German II. (3) I, II. Prerequisite: GER 101 or equivalent proficiency. Continuation of GER 101 using more advanced materials. Gen. Ed. 03 or 04.

201 Intermediate German I. (3) I, II. Prerequisite: GER 102 or equivalent proficiency. Practice in grammar, reading, and writing at the intermediate level. Laboratory attendance required. Gen. Ed. 03 or 04.

202 Intermediate German II. (3) I, II. Prerequisite: GER 201 or equivalent proficiency. Continuation of GER 201. Gen. Ed. 03 or 04.

203 Scientific German. (3) A. Prerequisite: GER 201 or equivalent proficiency. May be used as an alternate course for GER 202. Certain selected scientific texts are read with emphasis on translation and grammar. Recommended for science majors.

204 Review of German Grammar. (3) A. Review of basic German grammar for students with sufficient high school German or the equivalent. Gen. Ed. 03 or 04.

240 Beginning Conversation. (3) A. Formerly GER 206. Prerequisite: GER 201 or equivalent proficiency. Topics for conversation drawn from everyday situations. (Waived in case of demonstrable oral proficiency, but not open to native speakers.) Gen. Ed. 03 or 04.

301 Masterpieces of German Literature in Translation I (to 1850). (3) A. Poetry, prose, and drama selections designed to introduce the student to major literary figures. Among authors included are Martin Luther, Lessing, Goethe, Schiller, and Heine. Special conditions for German language majors and minors.

302 Masterpieces of German Literature in Translation II (1850 to the present). (3) A. Continuation of GER 301. Among authors included are Hauptmann, Hofmannsthal, Thomas Mann, Brecht, and Hesse. Special conditions for German language majors and minors.

340 Intermediate Conversation. (3) A. Prerequisite: GER 240 or equivalent proficiency. Topics for conversation drawn from contemporary German life. Gen. Ed. 03 or 04.

349 Cooperative Study. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: 16. A minimum of 80 hours employment required for each semester hour credit.

360 Intermediate Grammar and Composition. (3) A. Prerequisite: GER 202 or equivalent proficiency. Detailed grammar review and introduction to composition. Gen. Ed. 03 or 04.

495 Independent Work in German. (1-3) A. Prerequisite: departmental approval. May be counted toward major or minor only with permission of department chair. May be retaken to a maximum of six hours if content if different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

505 Advanced Grammar and Composition. (3) A. Prerequisite: GER 360 or equivalent proficiency. Topics for composition drawn from literary materials.

540 Advanced Conversation. (3) A. Prerequisite: GER 340 or equivalent proficiency. Topics for conversation drawn from literary sources.

GRADUATE COURSES

705 Advanced Grammar and Composition. (3) A.
740 Advanced Conversation. (3) A.

GRE—Greek

101 Elementary Greek I. (3) A. Introduction to the grammar of classical Greek and the Koine Greek of the New Testament and to the reading of elementary texts. Recommended for students majoring in languages, ancient history, and Religion. Gen. Ed. 03 or 04.

102 Elementary Greek II. (3) A. Continuation of GRE 101 with more advanced work in grammar and syntax and the reading of Xenophon's Anabasis. Gen Ed. 03 or 04.

201 Readings in the Greek New Testament (Gospels). (3) A. Prerequisite: GRE 102 or equivalent proficiency. Selected readings from the four Gospels in the Greek New Testament.

202 Readings in the Greek New Testament (Epistles). (3) A. Prerequisite: GRE 102 or equivalent proficiency. Selected readings from the Pauline, Johannine, and Petrine epistles in the Greek New Testament.

ITA—Italian

101 Elementary Italian I. (3) A. Basic Italian pronunciation, conversation, and grammar. Materials used in speaking, reading, and writing reflect historical relevance and contemporary experience. Laboratory attendance required. Gen. Ed. 03 or 04.

102 Elementary Italian II. (3) A. Prerequisite. ITA 101 or equivalent. Laboratory attendance required. Continuation of ITA 101. Gen. Ed. 03 or 04.

201 Elementary Italian III. (3) A. Prerequisite: ITA 102 or equivalent proficiency. Continuation of ITA 102. Basic Italian conversation and grammar. Practice in speaking, reading, and writing. Laboratory attendance required. Gen. Ed. 03 or 04.

202 Intermediate Italian. (3) A. Prerequisite: ITA 201 or equivalent proficiency. Continuation of ITA 201. Basic Italian readings, conversation, and review of grammar. Gen. Ed. 03 or 04.

349 Cooperative Study. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: 16. A minimum of 80 hours employment required for each semester hour credit.

LAT—Latin

101 Elementary Latin I. (3) A. Study of basic inflexions, syntax, pronunciation, and vocabulary necessary for the reading and progressive understanding of the Latin language. Particular attention is given to the relationship of Latin to English and other languages. Gen. Ed. 03 or 04.

102 Elementary Latin II. (3) A. Prerequisite: one unit of high school Latin or LAT 101. A continuation of the study of the elements of Latin grammar with additional work in translation of selections from Latin writers of appropriate complexity. Some composition included. Gen. Ed. 03 or 04.

201 Intermediate Latin I. (3) A. Prerequisite: two or three units of high school Latin or LAT 102. Rapid review of grammar. Selections from such writes as Caesar, Cicero, Nepos, Ovid, Catullus, Horace and Vergil. Gen. Ed. 03 or 04.

202 Intermediate Latin II. (3) A. Prerequisite: two or three units of high school Latin or the equivalent. Continuation of LAT 201. Gen. Ed. 03 or 04.

POR—Portuguese

349 Cooperative Study. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: 16. A minimum of 80 hours employment required for each semester hour credit.

501 Accelerated Elementary Portuguese I. (3) A. Prerequisite: upper division standing and 202 level or equivalent of another foreign language. Fundamentals of the Portuguese language. Gen. Ed. 03 or 04.

502 Accelerated Elementary Portuguese II. (3) A. Prerequisite: POR 501 or equivalent proficiency in Portuguese. Composition, conversation, and reading in Luso-Brazilian studies. Gen. Ed. 03 or 04.

595 Independent Work in Portuguese. (1-3) A. Prerequisite: POR 501 or equivalent and departmental approval. Independent study in either language or literature on a subject of special need or interest to the advanced student. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

701 Accelerated Elementary Portuguese I. (3) A.
702 Accelerated Elementary Portuguese II. (3) A.
795 Independent Work in Portuguese. (1-3) A.
880 Special Studies. (1-3). A.

RUS—Russian

101 Elementary Russian I. (3) I, II. An introduction to the structure and grammar of Russian with an emphasis on pronunciation and conversation. Gen. Ed. 03 or 04.

102 Elementary Russian II. (3) A. Prerequisite: RUS 101 or equivalent proficiency. Continuation of RUS 101. Gen. Ed. 03 or 04.

201 Intermediate Russian I. (3) A. Prerequisite: RUS 102 or equivalent proficiency. Continuation of RUS 102. Gen. Ed. 03 or 04.

202 Intermediate Russian II. (3) A. Prerequisite: RUS 201 or equivalent proficiency. Grammar and structure review through a balanced use of the four basic skills: reading, speaking, writing, and aural comprehension. Gen. Ed. 03 or 04.

206 Beginning Conversation. (3) A. Prerequisite. RUS 202 or equivalent proficiency. Required of all minors. (Waived in case of demonstrable oral proficiency, not open to native speakers.) Gen. Ed. 03 or 04.

305 Composition and Conversation. (3) A. Prerequisite: RUS 202 or equivalent proficiency. Review of grammar. Conversations and composition on topics drawn from everyday life.

306 Composition and Translation. (3) A. Prerequisite: RUS 305 or equivalent proficiency. Reading and discussion of contemporary Russian prose selections. Composition and grammar review.

349 Cooperative Study. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: 16. A minimum of 80 hours employment required for each semester hour credit.

400 Topics in Russian Literature:_____. (3) A. Prerequisite: RUS 306 or equivalent proficiency. Selections from works of major Russian authors are read in the original language. May be retaken to a maximum of six hours if content is different.

495 Independent Work in Russian. (1-3) A. Prerequisite: departmental approval. May be counted toward major or minor only with permission of department chair. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by the faculty supervisor and department chair prior to enrollment.

SPA—Spanish

101 Elementary Spanish I. (3) I, II. Introduction to the grammar and structure of Spanish. Practice in pronunciation, reading, writing, and conversation using materials relevant to contemporary experiences. Laboratory attendance required. Gen. Ed. 03 or 04.

102 Elementary Spanish II. (3) I, II. Prerequisite: SPA 101 or equivalent proficiency. Continuation of SPA 101 using more advanced materials. Gen. Ed. 03 or 04.

201 Intermediate Spanish I. (3) I, II. Prerequisite: SPA 102 or equivalent proficiency. Grammar review and continuation; readings, compositions and discussions in Spanish on cultural topics Gen. Ed. 03 or 04.

202 Intermediate Spanish II. (3) I, II. Prerequisite: SPA 201 or equivalent proficiency (not open to native speakers). Continuation of SPA 201. Gen. Ed. 03 or 04.

206 Beginning Conversation. (3) I, II. Prerequisite: SPA 202 or equivalent proficiency (not open to native speakers). Gen. Ed. 03 or 04.

215 Applied Communications Skills in Spanish. (3) A. A basic course to provide the student with essential communication skills needed in dealing with Spanish-speaking communities. No previous knowledge of Spanish required. Gen. Ed. 03 or 04.

301 Introduction to Hispanic Literature. (3) A. Prerequisite: SPA 202 or equivalent proficiency. Study of literary concepts, terms, style, and techniques of analysis based on readings of literary selections from a variety of genres and periods.

305 Survey of Hispanic Literature I. (3) A. Prerequisites: SPA 202 or equivalent proficiency. Readings and analyses of representative authors, works and movements from both Spain and Spanish-America from the Middle Ages to 1700.

306 Survey of Hispanic Literature II. (3) A. Prerequisite: SPA 202 or equivalent proficiency. Readings and analyses of representative authors, works and movements from both Spain and Spanish-America in the 18th and 19th centuries.

307 Survey of Hispanic Literature III. (3) A. Prerequisite: SPA 202 or equivalent proficiency. Readings and analyses of representative authors, works and movements from both Spain and Spanish-America including the Generation of 1898, Modernism, and the 20th century.

340 Intermediate Spanish Conversation. (3) A. Prerequisite: SPA 202 or equivalent proficiency (not open to native speakers). Gen. Ed. 03 or 04.

349 Cooperative Study. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: 16. A minimum of 80 hours employment required for each semester hour credit.

360 Intermediate Grammar and Composition. (3) A. Prerequisite: SPA 202 or equivalent proficiency. Gen. Ed. 03 or 04.

495 Independent Work in Spanish. (1-3) A. Prerequisite: departmental approval. May be counted toward major or minor only with permission of department chair. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

496 Travel-Study Program in Mexico. (3) A. Prerequisite: departmental approval. May be retaken to a total of six hours.

501 Bibliography and Research Methods. (3) A.

505 Advanced Grammar and Composition. (3) A. Prerequisite: upper division standing in Spanish or equivalent. Correct usage of Spanish through intensive grammar analysis and its application in original compositions.

535 Historical Linguistics. (3) A. Prerequisites: SPA 360 or 505, and department chair approval. History and development of the Spanish language.

572 Hispanic Literature _____. (3) A. Prerequisites: SPA 301 and three hours from SPA 305, 306, or 307. Study of a selected literary topic. May be retaken to a maximum of nine hours if content is different.

GRADUATE COURSES

701 Bibliography and Research Methods. (3) A.
705 Advanced Grammar and Composition. (3) A.
735 Historical Linguistics. (3) A.
772 Hispanic Literature: _____. (3) A.
872 Hispanic Literature: _____. (3) A.
880 Special Studies. (1-3) A.

DEPARTMENT OF

HUMANITIES

A. Brooks, Chair; Holland, Shearon, Shin, Wright.

The Department of Humanities offers interdisciplinary courses designed to meet University general education requirements for graduation. These courses have been developed to help students gain a better understanding of what it means to be human; to develop within students an appreciation for the significant creative achievements of human beings around the world; and to provide students with an intellectual foundation for clarifying and developing moral and aesthetic values that will help them to live meaningfully, responsibly, and productively. Through these courses. students develop an understanding of human values, an awareness of cultural traditions, critical perspectives on those traditions, a sensitivity to language and the arts, and an inquisitiveness about meaning. Each of the courses provides opportunities for written and oral communication.

The Department of Humanities offers a Minor in Humanities which is designed to integrate insights into human experience gained from a study of significant works of literature, visual art, music, religion, and philosophy. The Minor in Humanities is a meaningful complementary curriculum for any specialized major field of study. In providing a broad knowledge base for an understanding of human values, it gives students an opportunity to clarify attitudes and qualities of mind that enhance their capacity for experiencing meaning in all aspects of their lives.

MINOR IN HUMANITIES

A student may minor in Humanities by completing 18 to 24 hours as follows: HUM 124; 226 or 228; PHI 100; MUS 272; ART 390 or 391; six hours from the following: ENG 350, 351, 352, 353, 474, SPE 340, or any of the upper-division foreign language literature courses; and HUM 410. Students who elect PHI 100 to meet Symbolics of Information requirements must take PHI 320. When the major and the minor require the same courses, a maximum of six hours may be waived from the minor upon the recommendation of the Chair of the Department of Humanities.

Course Descriptions

HUM—Humanities

124 Introduction to Humanities. (3) I, II. Formerly GSH 124. Not open to seniors. No credit after earning nine or more hours of general education humanities. This course introduces students to a consideration of what it means to be human. An interdisciplinary approach leads students to recognize basic human qualities expressed in examples of literature, visual art, and music from around the world. Gen. Ed. 07.

226 Human Experience in Traditional Cultures. (3) I, II. Formerly GSH 226. Prerequisite: HUM 124. This course explores universal concerns about human experience expressed in examples of the literature, visual art, and music of traditional world cultures. Gen. Ed. 05.

228 Human Experience in the Modern World. (3) I, II. Formerly GSH 228. Prerequisite: HUM 124. This course examines human experience from the perspective of differences that exist between traditional and modern ways of thinking with special focus on the creativity, dignity, and responsibility of the individual. Relevant topics are explored in examples of literature, visual art, and music from selected cultures throughout the modern world. Gen. Ed. 06.

300 The Individual in Contemporary Society. (3) A. Formerly GSH 300. The major concern of this course is the problem of establishing and maintaining human dignity and personal worth in rapidly changing contemporary society. This problem is explored in selected examples of contemporary literature, visual art, and music. Gen. Ed. 08.

310 The Creative Imagination in Humanities & Science. (3) A. Formerly GSH 310. The purpose of this course is to examine the role of the creative imagination in humanities and modern science. Students will study and examine selected works in the areas of science and humanities for the purpose of discovering the role of the imagination in solving human problems in the contemporary world. Gen. Ed. 08.

400 Topics in Humanities. (3) A. An examination of a selected topic for the purpose of increasing one's understanding of the human experience. Study of the topic will involve an interdisciplinary approach and a global perspective. May be retaken to a maximum of six hours credit if the topic is different each time.

410 Humanities Seminar. (3) A. Prerequisite: departmental chair approval. Provides students with an opportunity to integrate insights into the subjective human experience gained from a study of various creative, religious, and philosophical expressions of mankind. Introduces students to bibliographic tools and research methods appropriate to the study of humanities.

DEPARTMENT OF

MUSIC

J. Roberts, Chair; Beeler, Boewe, Bromley, Cooper, Crosby, Duncan, Greenlee, Hartwell, A. W. Harvey, Henrickson, Hensel, Hoagland, Illman, Lawson, Smith, Staples, R. Surplus, Thomas, Van Boskirk, Whitlock, Wolfrom.

The functions of the Department of Music are to:
1) Prepare music specialists for the public school;
2) Prepare students for careers in teaching in private studios or colleges and universities;
3) Prepare students for professional solo and/or ensemble performances;
4) Prepare students for careers in the music industry;
5) Provide specialized instruction for the elementary classroom teacher; and
6) Provide courses which contribute to the general education and cultural development of all students.

DEGREES AND OPTIONS

The Department of Music offers a variety of undergraduate degrees and options:

- Bachelor of Music in Performance
- Bachelor of Arts, Major in Music
  - with options in:
    - Theory/Composition
    - Music History and Literature
    - Performance
- Bachelor of Arts, Major in Music Merchandising
- Bachelor of Music Education
- Bachelor of Fine Arts in the Performing Arts (Musical Theatre)

PIANO CERTIFICATION REQUIREMENTS

All music majors and minors, and performing arts majors, must meet piano proficiency requirements of the Department of Music. At the time of entrance, piano proficiency levels of all students must be ascertained. Instruction is provided for those who do not meet the described standards.

For a detailed description of the examination requirements, and representative examples of each item, please consult the current Piano Proficiency Guidelines available from the keyboard coordinator.

At any time during the year a student may petition to take the Piano Proficiency Examination. Successful completion of the examination exempts the students from further attendance in piano class.

THEORY PLACEMENT INTERVIEW

The purpose of this interview is to determine eligibility of students for college level work in class piano and theory. Instruction is provided for those who do not meet the prescribed standards (MUS 102-109). A detailed description of the theory placement test may be obtained from the theory coordinator.

APPLIED MUSIC

Applied music instruction is required throughout the four years of the prescribed curricula in the various degree programs. Instruction is given in individual lessons of one or two one-half hour periods per week. Applied students must complete a jury examination at the end of each semester.

Recital Attendance. Attendance at the weekly departmental recitals and master classes is a regularly scheduled part of applied music instruction for majors. Students should attend all approved University concerts and recitals.

Music

BACHELOR OF MUSIC IN PERFORMANCE

All candidates for the Bachelor of Music in Performance degree will perform a qualifying audition. Candidates will be placed on probationary status from one to four semesters or accepted as full candidates for the degree. At the end of the probationary period, the student may re-audition for full candidacy. Appeal procedures are on file in the Department of Music. The Audition Committee will consist of at lease three members of the faculty including the applied teacher.

SOLO RECITAL PERFORMANCE

This degree program requires two solo recitals: a half recital (MUS 399) and a whole recital (499).

ENSEMBLE REQUIREMENTS

Each student in the Bachelor of Music degree program must be enrolled in an ensemble which reflects the student's major applied area during each semester of residence with the approval of the major applied teacher and the department chair. Pianists and organists may fulfill the requirements through accompanying.

Music

MAJOR (BACHELOR OF MUSIC)

Major Requirements . . . . . 74 hours
MUS 181, 182, 272, 281, 282, 366, 367 or 368, 371, 372, 383, 399, 480, 481, 499 (two hours), 550 (one hour), 551 (one hour), and three hours from upper division courses in Music History and Literature. Applied majors, instrument or voice: 23 hours. Two hours credit per semester in first and second years, four hours credit fifth semester, three hours credit sixth semester, and four hours credit seventh and eighth semesters.
Music Ensemble: eight hours.

Supporting Course Requirements . . . . . 3 or 6 hours
Foreign language: Voice majors, six hours; instrumental majors, three hours.

General Education Requirements . . . . . 41 hours
Standard General Education program, excluding course categories 07, 08, and 20. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Restricted Electives . . . . . 8 hours
Free Electives (Instrumental majors only) . . . . . 2 hours
Total Curriculum Requirements (Instrumental majors) . . . . . 128 hours
Total Curriculum Requirements (Voice majors) . . . . . 129 hours

Music

MAJOR (BACHELOR OF ARTS)

Major Requirements . . . . . 52-56 hours

Music Core . . . . . 28 hours
MUS 181, 182, 272, 281, 282, 371, 372, and 480.

Options

Theory/Composition . . . . . 24 hours
MUS 283 (two hours), 383, 481, 555 or 556, 483 (four hours), and two additional hours from 483 or 585. Applied instrument and/or voice: eight hours.

Music History and Literature . . . 28 hours
MUS 471, 472, 555, and 556. Applied instrument and/or voice: eight hours. Music ensemble: eight hours.

Performance . . . . . 24 hours
MUS 499 (one hour). Applied major instrument or voice:
15 hours. Music ensemble: eight hours.

General Education Requirements . . . . . 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives . . . . . 17-21 hours
Total Curriculum Requirements . . . . . 128 hours

Music Merchandising

MAJOR (BACHELOR OF ARTS)

Major Requirements . . . . . 67 hours
MUS 181, 182, 230, 251, 273, 351, 354, 390, 391, ACC 201, 202, ECO 230, 231, MGT 330, MKT 304, 310, 320, PUB 375, CIS 212, and LAS 210. Applied major instrument or voice: seven hours. Music Ensemble: eight hours.

General Education Requirements . . . . . 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives* . . . . . 6 hours
(With MUS 349, 5 hours) . . . . . 1 hour
(Without MUS 349, 5 hours) . . . . . 6 hours

Total Curriculum Requirements . . . . . 128 hours

*A total of five hours may be taken under course title MUS 349 with approval of the Bachelor of Arts in Music Merchandising Committee. No hours in MUS 349 may be elected without BAMM Committee approval.

Bachelor of Music Education

APPLIED MUSIC AND HONORS RECITAL (BME)

Students in the Bachelor of Music Education (Teaching) program will register for a minimum of seven hours of applied instruction in an instrument or voice to continue every semester of residence except the practice-teaching semester. The student may present a half honors recital (MUS 499) in place of the seventh hour of applied instruction, if recommended by the applied teacher and the Applied Music Committee. Students not presenting an Honors Recital will take an extended final Jury examination. More detailed information concerning recital requirements in the Bachelor of Music Education degree may be obtained from the Department of Music.

Ensembles (BME)

Students must be enrolled for seven semesters in ensembles which reflect the major performing specialty, as follows:

1) Brass, woodwind, and percussion majors will elect Marching Band during all fall semesters in residence and Concert or Symphonic Band during spring semesters;

2) String majors must participate in Orchestra a minimum of seven semesters;

3) Keyboard majors may fulfill the seven semester ensemble requirement in either a vocal or instrumental ensemble or by accompaniment duties in the junior and senior years as specified by the keyboard faculty; and

4) Vocal students will elect Concert Choir or University Singers for seven semesters.

Students enrolling in more than three ensembles should receive permission for such participation from their applied teacher, ensemble director, and advisor.

Music (Teaching)

TEACHING AREA (BACHELOR OF MUSIC EDUCATION)

Major Requirements ..... 54 hours
MUS 181, 182, 230, 251, 252, 281, 282, 330, 351, 352, 354, 355, 366, 371, 372, 480, ESE 378 and 379. (Instrumental Students may be excused from taking MUS 252 and 352, and 330 by proficiency examination: percussion students will omit MUS 354 and 355.) Applied major instrument: seven hours. Music Ensemble: seven hours.

Teacher Education Requirements ..... 28 hours
EDF 102, 202, 317, ELE 541, EPY 318, ESE 498, and 499.

General Education Requirements ..... 41 hours
Standard General Education program, excluding course categories 07 and 08. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Restricted Electives ..... 8 hours
In addition to the above requirements, student must elect one of the following plans for teacher certification.

1. **Instrumental Certificate ..... 9 hours**
   MUS 364 (1), 365 (1), 367 (1), 370 (2), 383 or 384 (2), and ESE 457 (2).
2. **Vocal Certification ..... 7 hours**
   MUS 364 (1), 365 (1), 368 (2), 383 (2), and ESE 458 (2).
3. **Instrumental and Vocal Certification**
   Students may be certified in both areas by completing one of the certification plans above and an additional 12 hours in the other area as specified:
   - **A. Vocal Certification for Instrumental Students ..... 6 hours**
     MUS 320 (1), 368 (1), 382 (2), and ESE 458 (2).
     Applied music (keyboard: two or three hours; voice: two or three hours) **..... 4 or 5 hours**
     Choral ensemble ..... **1 or 2 hours**
     Total ..... 12 hours
   - **B. Instrumental Certification for Vocal Students ..... 7 hours**
     MUS 367(1), 370(2), 383 or 384(2), and ESE 457(2). Applied music (keyboard: one or two hours; instrument: one or two hours) **..... 3 or 4 hours**
     Instrumental ensemble . **1 or 2 hours**
     Total ..... 12 hours

Total Curriculum Requirements with Instrumental Certification ..... 140 hours

Total Curriculum Requirements with Vocal Certification ..... 138 hours

Total Curriculum Requirements with Instrumental Major and Vocal Certification ..... 152 hours minimum

Total Curriculum Requirements with Vocal Major and Instrumental Certification ..... 150 hours minimum

MINOR IN MUSIC

MUS 181, 182, 371, 372, and four hours of electives in music ..... 18 hours

Candidates must pass the Piano Proficiency Examination or take MUS 110 and 111 which cannot be counted as a part of the minor.

GRADUATE PROGRAMS

Graduate study in music can lead to the Master of Music degree, with options in Performance, Theory/Composition, and Choral Conducting. The Master of Music Education degree and Rank I Certification are offered in the College of Education with the cooperation of the Department of Music.

The program of study includes required subjects in music education teaching techniques, music history and literature, structure and organization in music, applied music, and related fields. Flexibility is provided for students to pursue particular interests in the field of music.

Qualifications for admission and procedures for entrance may be found in the Graduate Catalog. More detailed information may be obtained by writing the Department of Music or the Dean of the Graduate School.

Course Descriptions

APPLIED MUSIC

MUS—Music

109 Introductory Class Piano. (1) I. For students enrolled in MUS 102. Elementary keyboard techniques and reading drill. Credit does not count toward a music major or minor.

110 Beginning Class Piano I. (1) I, II. Corequisite: MUS 181. Prepares non-piano majors to meet Level I Piano Proficiency Examination requirements. Basic keyboard skills, elementary repertoire, and technique. Some music reading ability required. May be retaken to a maximum of two hours. Credit does not count toward a music major or minor.

111 Beginning Class Piano II. (1) I, II. Prerequisite: MUS 110 or instructor approval. Corequisite: MUS 182. Continuation of MUS 110. May be retaken to a maximum of two hours. Credit does not count toward a music major or minor.

112 Piano I. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

114 Keyboard Skills I. (1) I, II. Corequisite: MUS 181. Prepares piano majors and other music majors with advanced keyboard background to meet Level II Piano Proficiency Examination requirements. Emphasis is functional skills, such as reading, transposing, playing by ear, harmonizing and improvising, combined with keyboard harmony, technique and memorization skills.

115 Keyboard Skills II. (1) I, II. Prerequisite: MUS 114 or instructor approval. Corequisite: MUS 182. Continued development of skills begun in MUS 114 to prepare piano majors and other music majors with advanced keyboard background to meet Level IV Piano Proficiency Examination Requirements.

122 Voice I. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

132 String Instruments I. (1-2) I, II. One or two lessons per week. Instruction available in a. violin, b. viola, c. violoncello, d. string bass, e. viola da gamba, f. guitar, g. electric bass. May be retaken to a maximum of four hours.

142 Organ I. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

145 Brass Instruments I. (1-2) I, II. One or two lessons per week. Instruction available in a. cornet and trumpet, b. french horn, c. baritone horn, d. trombone, e. tuba. May be retaken to a maximum of four hours.

146 Woodwind Instruments I. (1-2) I, II. One or two lessons per week. Instruction available in a. flute, b. oboe, c. clarinet, d. bassoon, e. saxophone. May be retaken to a maximum of four hours.

147 Percussion I. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

210 Intermediate Class Piano I. (1) I, II. Prerequisite: MUS 111 or instructor approval. Corequisite: MUS 281. Second year course for non-piano majors to meet Level II Piano Proficiency Examination requirements. Continuation of skill development listed under MUS 110; more complex materials, intermediate repertoire, and technique. May be retaken to a maximum of two hours. Credit does not count toward a music major or minor.

211 Intermediate Class Piano II. (1) I, II. Prerequisite: MUS 210 or instructor approval. Corequisite: MUS 282. Continuation of MUS 210. May be retaken to a maximum of two hours. Credit does not count toward a music major or minor.

212 Piano II. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

222 Voice II. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

230 String Instruments I. (1) I, II. Formerly MUS 130. Corequisite: MUS 364 or 365 to a maximum of two hours. Fingering, care of instruments and tone production. Group instruction to prepare for teaching strings in class and for training string section of school orchestra; survey of teaching materials.

232 String Instruments II. (1-2) I, II. One or two lessons per week. Instruction available in a. violin, b. viola, c. viononcello, d. string bass, e. viola da gamba, f. guitar, g. electric bass. May be retaken to a maximum of four hours.

242 Organ II. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

245 Brass Instruments II. (1-2) I, II. One or two lessons per week. Instruction available in a. cornet and trumpet, b. French horn, c. baritone horn, d. trombone, e. tuba. May be retaken to a maximum of four hours.

246 Woodwind Instruments II. (1-2) I, II. One or two lessons per week. Instruction available in a. flute, b. oboe, c. clarinet, d. bassoon, e. saxophone. May be retaken to a maximum of four hours.

247 Percussion II. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

251 Brass Instruments Class I. (1) I, II. Corequisite: MUS 364 or 365 to a maximum of two hours. Fingering, care of instruments, tone production, and tuning. Group instruction to prepare for teaching brass instruments in band or orchestra. Examination of materials suitable for beginning instrumental programs.

252 Brass Instruments Class II. (1) I, II. Prerequisite: MUS 251. Corequisite: MUS 364 or 365 to a maximum of two hours. Continuation of MUS 251.

312 Piano III. (1, 2 or 4) I, II. One or two lessons per week. May be retaken to a maximum of eight hours.

313 Accompanying. (1/2) I, II. Prerequisite: Keyboard Coordinator approval. Upper-division keyboard students may substitute MUS 313 for ensembles requirements. Additional accompanying hours assigned. May be retaken to a maximum of two hours.

320 Class Voice. (1) I, II. Basic vocal techniques with emphasis on developing the voice for solo and or choral performance.

322 Voice III. (1, 2 or 4) I, II. One or two lessons per week. May be retaken to a maximum of eight hours.

330 String Instruments Class II. (1) I, II. Formerly MUS 131. Prerequisite: MUS 230. Corequisite: MUS 364 or 365 to a maximum of two hours.

332 String Instruments III. (1, 2 or 4) I, II. One or two lessons per week. Instruction available in a. violin, b. viola, c. violoncello, d. string bass, e. viola da gamba, f. guitar, g. electric bass. May be retaken to a maximum of eight hours.

333 Guitar Class. (1) A. Group instruction in functional guitar with emphasis on chording, tone production, care of instruments, and survey of teaching materials.

342 Organ III. (1, 2 or 4) I, II. One or two lessons per week. May be retaken to a maximum of eight hours.

345 Brass Instruments III. (1, 2 or 4) I, II. One or two lessons per week instruction available in a. cornet and trumpet, b. French horn, c. baritone horn, d. trombone, e. tuba. May be retaken to a maximum of eight hours.

346 Woodwind Instruments III. (1, 2 or 4) I, II. One or two lessons per week. Instruction available in a. flute, b. oboe, c. clarinet, d. bassoon, e. saxophone. May be retaken to a maximum of eight hours.

347 Percussion III. (1, 2 or 4) I, II. One or two lessons per week. May be retaken to a maximum of eight hours.

351 Woodwind Instruments Class I. (1) I, II. Corequisite. MUS 364 or 365 to a maximum of two hours. Fingering, care of instruments, tone production, and tuning. Group Instruction to prepare for teaching woodwind instruments in band or orchestra. Examination of materials suitable for beginning instrumental programs.

352 Woodwind Instruments Class II. (1) I, II. Prerequisite: MUS 351. Corequisite: MUS 364 or 365 to a maximum of two hours. Continuation of MUS 351.

354 Percussion Class I. (1) I, II. Corequisite: MUS 364 or 365 to a maximum of two hours. Snare drumming, rudiments, teaching techniques. Experiences on all related percussion instruments: bass drum, tympani, and others. Some experiences with mallet instruments; marimba, xylophone, bells and others.

355 Percussion Class II. (1) A. I, II. Prerequisite: MUS 354. Corequisite: MUS 364 or 365 to a maximum of two hours. Continuation of MUS 354.

364 Instrumental Music Lab. (1/2) II. Practical experience in performing and conducting instrumental music literature appropriate for use in school situation. May be retaken to a maximum of one hour.

365 Choral Music Lab. (1/2) I. Practical experience in performing and conducting choral music literature appropriate for use in school situation. May be retaken to a maximum of one hour.

370 Marching Bank Techniques. (2) I, II. Marching fundamentals, charting, and scoring for the contemporary marching band.

382 Choral Arranging. (2) I, II. Scoring literature of all types of choral ensembles for school use.

399 Junior Recital. (1) I, II.

412 Piano IV. (1, 2 or 4) I, II. One or two lessons per week. May be retaken.

422 Voice IV. (1, 2 or 4) I, II. One or two lessons per week. May be retaken.

432 String Instruments IV. (1, 2 or 4) I, II. One or two lessons per week. Instruction available in a. violin, b. viola, c. violoncello, d. string bass, e. viola da gamba, f. guitar, g. electric bass. May be retaken.

442 Organ IV. (1, 2 or 4) I, II. One or two lessons per week. May be retaken.

445 Brass Instruments IV. (1, 2 or 4) I, II. One or two lessons per week. Instruction available in a. cornet and trumpet, b. French horn, c. baritone horn, d. trombone, e. tuba. May be retaken.

446 Woodwind Instruments IV. (1, 2, or 4) I, II. One or two lessons per week. Instruction available in a. flute, b. oboe, c. clarinet, d. bassoon, e. saxophone. May be retaken.

447 Percussion IV. (1, 2 or 4) I, II. One or two lessons per week. May be retaken.

499 Recital. (1 or 2) I, II.

512 Piano V. (1 or 4) I, II. May not be taken for credit by piano majors.

513 Techniques of Accompanying. (1) I, II. Practical training in the tradition, interpretation, and execution of accompaniments. May be retaken to a maximum of two hours.

522 Voice V. (1 to 4) I, II. May not be taken for credit by voice majors.

542 Organ V. (1 to 4) I, II. May not be taken for credit by organ majors.

MUSIC ENSEMBLES

Ensembles are open to all students enrolled in the University and to qualified persons not enrolled. Interested individuals are invited to participate and should confer with the director of each ensemble to arrange for an audition.

MUS—Music

127, 327 Opera Workshop. (1/2) I, II. Prerequisite: instructor approval. Preparation and presentation of opera scenes and complete works. All phases of performance and technical procedures of staging, costumes, and management.

205 Chamber Music. (1/2) I, II. Study and performance of standard chamber music literature. Open to pianists, vocalists, string, wind, and percussion players upon recommendation of instructor. Course may be retaken.

225 Choir. (1) I, II. Rehearsal and performances of choral literature. Sections may include Concert Choir, Madrigal Singers, and Show Choir. Course may be retaken.

226 University Singers. (1) I, II. Rehearsal and performance of music for vocal ensemble. Concerts given both on and off campus. Three or more hours rehearsal per week. May be retaken to a maximum of four hours credit.

235 Orchestra. (1) I, II. Rehearsal and performance of orchestra literature from all style periods. Concerts given both on and off campus. Three or more hours rehearsal per week. May be retaken to a maximum of four hours credit.

250 Small Ensembles. (1/2) I, II. Rehearsal and performance for: String Orchestra, Brass Choir, Percussion Ensemble, Stage Band, and Clarinet Choir. Course may be retaken.

255 Band. (1) I, II. Rehearsal and performance of standard band literature. Sections may include Concert and Symphonic Bands and Wind Ensemble. May be retaken to a maximum of four hours credit.

256 Marching Band. (1) I. Preparation and performance of marching band shows during the football season. Three or more rehearsals per week. May be retaken to a maximum of four hours credit.

425 Choir. (1) I, II. Prerequisite: MUS 225. Rehearsal and performance of choral literature. Sections may include Concert Choir, Madrigal Singers, and Show Choir. Course may be retaken.

426 University Singers. (1) I, II. Prerequisite: MUS 226. Rehearsal and performance of music for vocal ensemble. Concerts given both on and off campus. Three or more hours rehearsal per week. May be retaken to a maximum of four hours credit.

435 Orchestra. (1) I, II. Prerequisite: MUS 235. Rehearsal and performance of orchestra literature from all style periods. Concerts given both on and off campus. Three or more hours rehearsal per week. May be retaken to a maximum of four hours credit.

455 Band. (1) I, II. Prerequisite: MUS 235. Rehearsal and performance of standard band literature. Sections may include Concert and Symphonic Bands and Wind Ensemble. May be retaken to a maximum of four hours credit.

MUS—Other Music Courses

102 Introduction to the Fundamentals of Music. (3) I, II. Required by students whose musical experience and preparation, as indicated by the Theory Placement Interview, are deemed insufficient to complete MUS 181. Credit does not count toward a music major or minor.

171 Enjoyment of Music. (3) I, II. May not count toward a music major or minor. Provides the general college student with a cultural background in music. Masterpieces of music, composers, and techniques presented through listening materials and concert attendance. Gen. Ed. 07.

181 Beginning Theory I. (4) I. Corequisite: MUS 110 or equivalent. Perception and understanding of music through an integrated study of relatively simple, short structures from the last Baroque to the early Romantic periods.

182 Beginning Theory II. (4) II. Prerequisite: MUS 181, Corequisite: MUS 111 or equivalent. Continuation of MUS 181.

272 Music Literature. (3) I, II. Critical listening and scorereading of the standard repertory of music in Western Civilization from Gregorian plainchant to the Contemporary era. Gen. Ed. 07.

273 Survey of American Popular Music. (3) I, II. Survey of American popular music establishing its origins and tracing its development to the present time. Gen. Ed. 08.

281 Intermediate Theory III. (4) I. Prerequisite. MUS 182. Corequisite. MUS 210 or equivalent. Continuation of MUS 182. Integrated skills further developed through the study of more difficult, longer structures from the Baroque and Classic periods.

282 Intermediate Theory IV. (4) II. Prerequisite: MUS 281. Corequisite: MUS 211 or equivalent. Continuation of MUS 281. Integrated skills further developed through the study of more difficult structures from the Romantic and Modern periods.

283 Beginning Composition. (1) A. Prerequisite: instructor approval. Guidance in the exploration and development of compositional techniques relevant to the student's stylistic direction. Correct notation and major stylistic analysis stressed. May be retaken to a maximum of four hours provided the subject matter is different each time.

285 Jazz Improvisation. (2) A. Prerequisite: instructor approval. Open to music majors only. Skills required by instrumental performer for improvising in contemporary jazz idioms. May be retaken to a maximum of four hours.

349 Cooperative Study: Music. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight associate; sixteen baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

360 Music Fundamentals for the Elementary Teacher. (2) I, II. Open only to Elementary Education majors who have been admitted to the Teacher Education Program. Provides the grade teacher with sufficient knowledge and skills to teach music in the classroom. Notation, rhythmic participation, rhythm and melody instruments, creative activities, and listening experiences.

366 Fundamentals of Conducting. (1) I. Prerequisite: junior standing in music or instructor approval. Basic techniques of conducting.

367 Instrumental Conducting. (1) II. Prerequisite: MUS 366. Instrumental conducting techniques and their application in rehearsal and performance.

368 Choral Conducting. (1) II. Prerequisite: MUS 366. Choral conducting techniques and their application in rehearsal and performance.

371 Music History I. (3) I. Prerequisite: MUS 171 or instructor approval. Survey of music history from beginnings through the Baroque era. Gen. Ed. 07.

372 Music History II. (3) II. Prerequisite: MUS 371 or instructor approval. Survey of music history from the Classical era to the present. Gen. Ed. 07.

383 Orchestration. (2) I, II. Survey of ranges, timbres, and characteristics of orchestral instruments. Scoring for choirs and full orchestra.

384 Scoring for Band. (2) I, II. Primary course in instrumentation and arranging for band. Scoring for small ensembles, marching band, concert band, and other combinations of wind and percussion instruments.

386 Compositional Techniques for Percussion. (1) A. Prerequisite: MUS 282 or instructor approval. Methods and techniques of scoring for contemporary percussion. Emphasis on notational changes and performance techniques other than traditional.

390 Survey of the Music Industry I. (2) I. Examination of the music industry including marketing and promotion, advertising, record production and companies, commercial radio and records, and radio business. A project reflecting course study is required.

391 Survey of the Music Industry II. (2) II. Prerequisite: MUS 390 or instructor approval. Continuation of MUS 390. Examination of the music industry including royalties, artist management, performing rights, trade journals, and industry relations and problems. A project reflecting course study is required.

471 Advanced Music History. I. (3) A. Prerequisite. MUS 372 or equivalent. More intensive study of selected materials surveyed in MUS 371. Origins of Western theoretical systems through Bach.

472 Advanced Music History II. (3) A. Prerequisite: MUS 372 or equivalent. Continuation of MUS 471. Pre-classicism through the contemporary era.

480 Form and Analysis. (3) I, II. Prerequisite: junior standing in music. In-depth study of the materials of form from the motive through large structures.

481 Counterpoint. (3) A. Prerequisite: MUS 281 or equivalent. Analysis and composition in 16th century and 18th century contrapuntal styles including parts of the mass, two and three-part inventions, and fugues.

483 Composition. (2) A. Prerequisite: MUS 282 or equivalent or instructor approval. Individual guidance in the exploration and development of compositional techniques relevant to the student's stylistic direction. May be taken to a maximum of eight hours, provided the subject matter is different.

520 Diction for Singers. (1) A. For voice and choral conducting students. Enunciation and projection; accurate pronunciation in English, Latin, Italian, French, and German. Phonetics and the International Phonetic Alphabet.

550 Teaching Techniques. (1-2) A. Analysis of current teaching methods and materials with the intention of developing sound teaching procedures. May include observation and performance. Topics in woodwinds, brass, percussion, strings, voice, piano, and organ. May be retaken to a maximum of two hours.

551 Performance Literature. (1-2) A. Literature for various performing media relative to performance practices and problems. Topics in woodwinds, brass, percussion, strings, voice, piano, and organ. May be retaken to a maximum of two hours.

554 Band Literature. (2) A. Designed to acquaint the student with European origins of the modern band; history of band music; and literature for the contemporary band.

555 Symphonic Music Literature. (3) II. Prerequisites: MUS 371 and 372. Evolution of the symphony from its beginning to the 20th century with emphasis on score reading and listening.

556 Choral Music Literature. (3) I. Prerequisites: MUS 371 and 372. Survey of choral music literature from the 15th century to the present.

563 Teaching Piano in Classes. (2) A. Prerequisite: three years of piano study at the college level or equivalent. Methods and materials used in the teaching of piano classes.

564 Advanced Instrumental Conducting. (2) A. Prerequisite: MUS 367 or equivalent. Development of skills in score reading, preparation, interpretation, and conducting of representative orchestra or band works.

565 Advanced Choral Conducting. (2-3) A. Prerequisite: MUS 368 or equivalent. Development of skills in score reading, preparation, interpretation, and conducting of representative choral works.

570 Band Pageantry. (2) A. Prerequisite: instructor approval. Charting and scoring for the modern marching band.

584 Fundamentals of Electronic Music. I. (2) A. Mechanics of the synthesizer. Emphasis on "sound possibilities" and their actual production.

585 Fundamentals of Electronic Music II. (2) A. Prerequisite: MUS 584 or instructor approval. Composition through the use of the synthesizer. May be retaken to a maximum of four hours, provided the subject matter is different each time.

586 Workshop in Instrumental Music. (1-4) A. Topics in band or orchestra procedures. May be retaken to a maximum of four hours.

588 Pedagogy of Theory. (2) A. Comparative study of theory systems with emphasis on presentation and illustrative exercises dealing with related theoretical problems.

589 Workshop in Choral Music. (1-4) A. Techniques, literature, and materials pertinent to a particular area or areas of preparation and performance of choral music. Topics to be announced. May be retaken to a maximum of four hours.

GRADUATE COURSES

713 Techniques of Accompanying. (1) I, II.
720 Diction for Singers. (1) A.
722 Voice V. (1-4) I, II.
742 Organ V. (1-4) I, II.
750 Teaching Techniques. (1-2) A.
751 Performance Literature. (1-2) A.
754 Band Literature. (2) A.
755 Symphonic Music Literature. (3) II.
756 Choral Music Literature. (3) I.
763 Teaching Piano in Classes. (2) A.
764 Advanced Instrumental Conducting. (2) A.
765 Advanced Choral Conducting. (2-3) A.
770 Band Pageantry. (2) A.
784 Fundamentals of Electronic Music I. (2) A.
785 Fundamentals of Electronic Music II. (2) A.
786 Workshop in Instrumental Music. (1-4) A.
788 Pedagogy of Theory. (2) A.
789 Workshop in Choral Music. (1-4) A.
805 Chamber Music. (1/2) A.
812 Piano. (1-5) I, II.
822 Voice. (1-5) I, II.
825 Choir. (1) I, II.
826 University Singers. (1) I, II.
827 Opera Workshop. (1/2) I, II.
832 String Instruments. (1-5) I, II.
835 Orchestra. (1) I, II.
842 Organ. (1-5) I, II.
845 Brass Instruments. (1-5) I, II.
846 Woodwind Instruments. (1-5) I, II.
847 Percussion. (1-5) I, II.
850 Small Ensembles. (1/2) I, II.
855 Band. (1) I, II.
872 Seminar in Music History. (1-3) A.
876 Advanced Notational Techniques for Percussion. (2) A.
880 Advanced Choral Interpretation. (2) A.
883 Seminar in Choral Procedures. (2) A.
884 Advanced Theory Survey. (3) A.
885 Psychology of Music. (3) A.
886 Advanced Counterpoint. (3) A.
887 Analytical Techniques I. (3) A.
888 Analytical Techniques II. (3) A.
889 Advanced Composition. (2) A.
890 Seminar in Advanced Theory. (3) A.
896 Special Project in Theory/Composition and Choral Conducting. (3) A.
897 Graduate Recital. (2-3) A.
898 Research in Music and Music Education. (2) A.
899 Thesis. (3) A.

DEPARTMENT OF

PHILOSOPHY AND RELIGION

J.R. Miller, Chair; B. Gray, B. Harris, W. Jones, Messerich, Nordgulen, F. Williams.

The Department of Philosophy and Religion offers a comprehensive undergraduate major in philosophy for students who wish to understand the main ideological forces at work in both the East and West. The program is designed to prepare students for graduate study at other universities as well as for advanced professional training in fields where a background in philosophy is highly recommended. As part of the University's general goal to offer programs of study which prepare men and women to take their place in the continuing development of a democratic society, philosophy seeks to cultivate the art of effective and clear reasoning and offers the student a thorough grounding in philosophical ideas and concepts.

The major in religion seeks, without sectarian or denominational bias, to provide the student with a scholarly access to all the world religions—their doctrines, their historical development and their forms of ritual and worship. On such a foundation, the student should be able to continue the study of religion at a graduate school for the purpose of obtaining an advanced teaching or research degree, or at a theological seminary for the purpose of preparing for a religious vocation. In addition, the program is designed to provide a good basic education in religion for the religious laity.

Philosophy

MAJOR (BACHELOR OF ARTS)

Major Requirements . . . . . 33 hours
PHI 100, 110, 130, 300, 310, 320, 330, and 390 or 500, plus any additional nine hours in Philosophy as approved by the department chair. Six hours of Religion may be counted as part of the nine hours.

Supporting Course Requirements . . . . . 6 hours
Philosophy majors must take at least six hours of a foreign language at the intermediate level or above.

General Education Requirements . . . . . 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives . . . . . 34 hours
Total Curriculum Requirements . . . . . 128 hours

MINOR IN PHILOSOPHY

A minor consists of any 18 hours in Philosophy, including at least three hours in PHI 100, 110, 130, or 320. Three hours of Religion may be counted in a minor.

Religion

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **33 hours**
REL 301, 305, 306, 315, 370 or 505, at least one course from 340, 345, or 355; PHI 240, 300; plus any additional nine hours from the following: REL 250, 335, 340, 345, 349, 355, 420, 495, PHI 310, ART 390, ENG 337, or POL 317.

Supporting Course Requirements ..... **6 hours**
Religion majors must take at least six hours of a foreign language at the intermediate level or above.

General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **34 hours**

Total Curriculum Requirements ..... **128 hours**

MINOR IN RELIGION

A minor consists of 18 hours in Religion, including at least three hours in REL 301, 305, 306, 315 or PHI 240. Three hours of Philosophy may be counted in a minor, and if PHI 240 is taken, six hours of Philosophy may be counted.

Course Descriptions

PHI—Philosophy

100 Practical Reasoning. (3) I, II. The development of skills essential for the analysis and evaluation of reasoning and argumentation of kinds commonly encountered in essays, textbooks, news media, discussions, lectures, and work situations. Gen. Ed. 03 or 04.

110 Beginning Philosophy. (3) I, II. Basic introductory course in philosophy. Consideration of perennial questions of the human experience, especially questions about reality, knowledge, self, values, and religious belief. Gen. Ed. 07.

130 Beginning Ethics. (3) I, II. Survey of theories concerning the nature of right and wrong, emphasizing how these theories can be applied to personal moral choices. Gen. Ed. 07.

240 Philosophy of Religion. (3) A. Study of religious experience, ideas of belief and knowledge, nature and existence of God, doctrine of persons, faith religious ethics, and religious language. Gen. Ed. 07.

280 A, B, C Short Topics in Philosophy. (1 each) A. One or two or three distinct short topics offered sequentially during one semester. The student may take any or all of the topics, and the course may be retaken to a maximum of six hours if each topic is different.

300 Greek and Roman Philosophy. (3) A. Formerly PHI 200. Survey of philosophical thought as seen through an examination of selected issues and selected philosophers from ancient Greece through the early Roman period. Gen. Ed. 07.

310 Medieval Philosophy. (3) A. Study of Christian, Jewish, and Islamic philosophical thought in the Middle Ages and of Renaissance scholasticism. Issues in various areas of philosophical inquiry are examined through selected readings from Augustine to Suarez.

320 Modern Philosophy. (3) A. Formerly PHI 220. Survey of philosophical thought as seen through an examination of selected issues and selected philosophers from the Renaissance through the 19th century. Gen. Ed. 07.

330 Twentieth Century Philosophy. (3) A. A survey of the principal schools of philosophic thought of the twentieth century in Europe and America, with special attention to the important issues which emerge.

332 Existentialism. (3) A. Study of the sources of modern existentialism in the writings of Pascal, Hamann, Kierkegarrd, and Nietzsche, and an examination of such recent existentialists as Sartre, Camus, Unamuno, Jaspers, Buber, and Marcel.

340 Philosophy of Science. (3) A. How views of reality, knowledge, and values relate to science and scientists. Philosophical assumptions of science examined through historical examples of scientific investigations. The value and the values relate to science and scientists. Philosophical assumptions of science examined through historical examples of scientific investigations. The value and the values of scientific methods and scientific theories. Gen. Ed. 08.

342 American Philosophy. (3) A. A critical examination of basic beliefs held by Americans regarding themselves, their culture, and world, through the thought of modern American philosophers such as Royce, Peirce, James, Santayana, Woodbridge, Dewey, and Whitehead.

349 Cooperative Study: Philosophy. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight associate; sixteen baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

350 Toward a Philosophy of Human Sexuality. (3) A. A philosophical discussion of such topics as the meaning and purposes of human sexuality, pre-marital sex and promiscuity, sex and religious values, homosexuality, sexual rights and responsibilities, sexual ethics, sex and aging.

360 Human Nature. (3) A. Examination of philosophic issues in the study of human nature. Of particular importance will be philosophic problems that are raised by twentieth century work in the social and behavioral sciences. Gen. Ed. 08.

362 Technology and Human Values. (3) A. Survey of contemporary theories concerning the interrelations of man, technology, and nature. Pro-technology and anti-technology positions are considered through the study of such representative theorists as Marcuse, McLuhan, Boulding, Skinner, and Ellul.

371 Symbolic Logic. (3) A. Basic introduction to modern symbolic logic: propositional calculus, first order predicate calculus, proofs and metaproofs, and nature and properties of formal logic systems.

380 Business Ethics. (3) A. Examination of ethical issues which arise in business organizations. Typical topics include: ethical theories, loyalties and responsibilities of superiors and subordinates, codes of conduct, personal value versus organizational objectives, whistle blowing, and case analysis procedures.

385 Environmental Ethics. (3) A. An examination of historical and contemporary views of the values and rights possessed by natural ecosystems and their components. Emphasis on conservation issues in America and the ethical views held by the general public, conservationists resource managers, and politicians. Gen. Ed. 08.

390 Special Topics in Philosophy. (3) A. Prerequisite. instructor approval. Detailed examination of a problem-area or a school of philosophy in the history of philosophy or the thought on one outstanding philosopher. May be retaken to a maximum of six hours if the topic is different.

395 Experiencing Philosophy. (1) A. Formerly PHI 300. Prerequisite: instructor approval. Attendance at selected lectures, performances, and cultural events with oral discussion and written evaluation of these activities from a philosophical point of view. May be retaken to a maximum of three hours.

400 Metaphysics. (3) A. An elaboration of the various approaches to metaphysics in the history of philosophy, including contemporary anti-metaphysical points of view.

432 Philosophy of Art. (3) A. Examination of the major philosophical theories of art and beauty and the place of aesthetic language in the general area of value judgments. Representative classical and contemporary figures will be considered.

490 Independent Work in Philosophy. (3) I, II. Prerequisite: instructor approval. Individual research and reading on a specified philosophical problem chosen by the student and instructor. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours if topic is different.

500 Seminar in Philosophy. (3) A. Prerequisite: instructor approval. Intensive examination of a general philosophical subject such as metaphysics, epistemology or axiology. May be retaken to a maximum of six hours if the work is different.

515 Health and Biomedical Ethics. (3) I, II. An examination of the value-issues which surround problems that arise in health-related fields and whose resolution calls for moral judgments. Typical problems would include: euthanasia, experimentation with humans, behavior control, genetic engineering, and distribution of health care facilities.

557 Classical Political Thought. (3) A. Cross listed as POL 557. Examination of the origins of Western political thought. Intensive reading of Plato, Aristotle, and Cicero.

558 Medieval, Renaissance, and Reformation Political Thought. (3) A. Cross listed as POL 558. Examination of the political theories of Augustine, Aquinas, Dante, Marsillio, Machiavelli, Luther, Calvin, and Bodin. Attention to the church-state controversy, the development of concepts of representation, constitutionalism, and sovereignty.

559 Modern Political Thought. (3) A. Cross listed as POL 559. Examination of the development of political thought from Hobbes to Nietzche.

GRADUATE COURSES

700 Seminar in Philosophy. (3) A.
715 Health and Biomedical Ethics. (3) I, II.
757 Classical Political Thought. (3) A.
758 Medieval, Renaissance, and Reformation Political Thought. (3) A.
759 Modern Political Thought. (3) A.

REL—Religion

250 Varieties of Religious Experience. (3) A. An examination of the patterns of religious experience as exemplified in the doctrines, practices, prayers, and rituals of various religions of the world.

282 A, B, C. Short Topics in Religion. (1 each) A. One or two or three distinct short topics offered sequentially during one semester. The student may take any or all of the topics, and the course may be retaken to a maximum of six hours if each topic is different.

301 World Religions. (3) I, II. Study of the basic notions found in the world's great religions. Attention is given to the historical context of the development of these religions and to the doctrines, rituals and literature produced by them. Gen. Ed. 07.

305 Survey of the Old Testament. (3) I. A survey of the history and religious development of the ancient Hebrews, with attention given to the religious concepts and values of the literature of the Old Testament.

306 Survey of the New Testament. (3) II. A study of the history of the New Testament times and an examination of the meanings and significance of the teachings of Jesus and the writings of the early Church.

315 History of Christian Thought. (3) A. A survey of Christian theology, philosophical theology, and spirituality from the Apostolic Fathers through the early Reformation period.

335 Islam. (3) A. A study of the origins and religious development of Islam by an examination of the Koran and the writings of some major Islamic thinkers.

340 Religions of India. (3) A. Study of the major religions of India including the Vedic Period, classical systems, Epic Period, heterodox systems, orthodox systems, and contemporary thought.

345 Religions of China and Japan. (3) A. Study of the major religions of China and Japan, including original Han, Confucianism, Cho Schools, Neo-Taoism, Shinto, and Chinese and Japanese Buddhism.

349 Cooperative Study: Religion. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight associate; sixteen baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

355 Religions of Africa. (3) A. A study of traditional African religions and other religions in Africa.

370 Special Topics in Religion. (3) A. Prerequisite: instructor approval. Intensive study of a selected topic or an important figure in religion. May be retaken to a maximum of six hours if the topic is different.

420 Contemporary Ideas of God. (3) A. Study of some of the main concepts of God in contemporary thought, dealing with such Eastern thinkers as Radhakrishnan and Suzuki, as well as those in the Western tradition such as Berdyaev, Maritain, Buber, Altizer, Hartshorne, Findlay, Cobb.

495 Independent Work in Religion. (3) I, II. Prerequisite: instructor approval. Individual study under the direction of an instructor on a special topic in religion. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours if topic is different.

505 Seminar in Religion. (3) A. Prerequisite: instructor approval. Research and discussion on a selected topic in religion, with special attention to the techniques of scholarly exploration. May be retaken to a maximum of six hours if topic is different.

GRADUATE COURSE

705 Seminar in Religion. (3) A.

DEPARTMENT OF

SPEECH AND THEATRE ARTS

D. Robinette, Chair; Benson, Dill, Huss, K. Johnson, Moreton, T. Smith, Tracy.

The Department of Speech and Theatre Arts offers major programs in Speech Communication Studies, Speech and Theatre Arts, and Theatre Arts; and in conjunction with the Department of Music, a Bachelor of Fine Arts in the Performing Arts.

Speech Communication Studies

MAJOR (BACHELOR OF ARTS)

The major in Speech Communication Studies offers the student an interdisciplinary program in communication consisting of a core of communication and other human related courses, and an area of emphasis chosen by the student in consultation with the advisor. The goal of this interdisciplinary major is to produce a communication specialist with career opportunities in such fields as law enforcement, military, personnel and sales, social programs, government, industrial relations, and, for educators, human communication.

Major Requirements . . . . . 48 hours
SPE 100, 200, 205, 220, 320, 350, 405, 410, PHI 362, PSY 202, 319, SOC 235, and 12 hours to be selected by the student in consultation with the advisor.
General Education Requirements . . . . . 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives . . . . . 25 hours
Total Curriculum Requirements . . . . . 128 hours

MINOR IN SPEECH COMMUNICATION STUDIES
Minor Requirements . . . . . 21 hours
SPE 200, 205, 350, 410, PHI 362, PSY 202, and 319.

Speech and Theatre Arts

MAJOR (BACHELOR OF ARTS)

Major Requirements . . . . . 36 hours
SPE 150, 200, 205, 210, 315 (one hour), 340, THE 110, 135, 220, 130/330 (one hour), 341, 390, 391, and one additional hour to be chosen from SPE 315 or THE 130/330.
General Education Requirements . . . . . 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives . . . . . 37 hours
Total Curriculum Requirements . . . . . 128 hours

Speech and Theatre Arts (Teaching)

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **39 hours**
SPE 150, 200, 205, 210, 315 (one hour), 340, 499, THE 110, 135, 220, 130/330 (one hour), 341, 390, 391, and one additional hour to be chosen from SPE 315 or THE 130/330. (A 21-hour teaching minor is also required; see degree requirements of the College of Arts and Humanities in this Catalog.)
Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 443, 498, and 499.
General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **6 hours**
Total Curriculum Requirements ..... **128 hours**

Theatre Arts

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **36 hours**
THE 110, 135, 200, 220, 235, 310, 341, 390, 391, 430, 130/330 (four hours), and SPE 150.
General Education Requirements ..... **55 hours**
Standard General Education Program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **37 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN THEATRE ARTS

Minor Requirements ..... **18 hours**
THE 110, 135, 130/330 (three hours), 341, 390, 391.

MINOR IN THEATRE ARTS (TEACHING)

Minor Requirements ..... **21 hours**
THE 110, 135, 130/330 (three hours), 341, 390, 391, and three hours THE electives.

Performing Arts

MAJOR (BACHELOR OF FINE ARTS)

The B.F.A. in the performing arts is a professional degree program designed to prepare the student as a performer in the musical theatre. The B.F.A. consists of course work in music, drama, and dance, and directed performance in musical theatre productions.

Major Requirements ..... **63 hours**
THE 110, 135, 200, 235, 280, 285 (two hours), 130/330 (three hours), 341, 385 (two hours), 390 or 391, eight hours of applied voice: (MUS 122, 222, 322, 422), 181, 182, three hours from 272, 273, 371, or 372, and two hours vocal ensemble consisting of appropriate sections of MUS 225 or 226 starting the first semester of entrance into the program. Candidates must meet piano certification requirements as stated in the Music section of this Catalog. Fifteen hours to be chosen, in consultation with the departmental advisor, from the following courses: SPE 150, 340, THE 220, 285, 300, 310, 311, 320, 335, 385, 390, 391, 430, 435, 442, 490, 499, MUS 272, 273, 371, 372, 322, 422, 225, or 226.
General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **10 hours**
Total Curriculum Requirements ..... **128 hours**

Course Descriptions

SPE—Speech

100 Introduction to Speech Communication. (3) I, II. A study of theories and practices of communication in intrapersonal, interpersonal, small group, and public-speaking settings. Gen. Ed. 03 or 04.

150 Improvement of Voice and Articulation. (3) I, II. Basic theory and speech production; drills for improvement of voice and articulation; adapted to students' individual speech needs.

200 Interpersonal Communication. (3) I, II. Direct experience in oral communication in a one-to-one interpersonal setting. Practical experience in the study of such key concepts as trust, openness, clarity, nonverbal cues, feedback, and listening. Gen. Ed. 03 or 04.

205 Argumentation. (3) I. Principles and practice of argument in conflict situations. Emphasis on analysis of the role communication serves in the intensification or resolution of business, political, social and legal conflicts. Gen. Ed. 03 or 04.

210 Public Speaking. (3) II. Principles and practice of public speaking. Platform assignments in informative, persuasive, and evocative speaking. Examination of parliamentary procedure and First Amendment principles. Gen. Ed. 03 or 04.

220 Small Group Communication. (3) A. Introduction to communication within groups. Exposure to various types of groups including social, therapeutic, informational, and education. Special emphasis on developing skills in problem solving and business conferencing.

300 Business and Professional Speaking. (3) I. Practical introduction to the skills of interviewing, conferencing, and public speaking. Preparation and presentation of the oral report, the sales/service presentation, and the occasional address.

315 Forensics Practicum. (1) I, II. Prerequisite: instructor approval. Study and application of the principles of argumentation and debate. Students participate in intercollegiate forensic activities which include debate as well as individual speaking events. May be retaken to a maximum of four hours.

320 Persuasion. (3) A. A study of contemporary theories of persuasion and their influence on society. Emphasis on analyzing persuasive principles employed by corporate business, political campaigns, citizen advocacy, and social-oriented movements.

340 Oral Interpretation. (3) A. Basic techniques of text analysis and practice in reading aloud as a solo performer and as a member of a group.

349 Cooperative Study: Speech. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight associate; sixteen baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

350 Business & Industrial Communication. (3) II. A study of the communication process within organizations. Planning and implementing organizational communication diagnosis and change. The Communication Audit and Training Model are introduced.

405 Propaganda. (3) A. Analysis of propaganda as an instrument of social change with emphasis on strategies utilized in social, political, and corporate business communication.

410 Human Communication Theory. (3) A. Foundational knowledge regarding the nature of an interpersonal and intrapersonal level, systems of behavior in organizations, effects of mass communication, communication barriers and breakdowns.

490 Special Topics in Speech Communications. (3) A. Presentation of course material of a timely, specialized, or topical nature. Specific course orientation will appear beside title. May be retaken to a maximum of nine hours if subject matter is different each time.

499 Independent Study in Speech Communication. (1-3) I, II. Individual research and reading on a specified speech communication subject. Regular consultation and final paper or performance required. Students must have the independent study proposal form approved by faculty super-

visor and department chair prior to enrollment. May be retaken to a maximum of six hours.

GRADUATE COURSE

805 Independent Study in Speech Communication. (1-3) A.

THE—Theatre Arts

100 Forms and Philosophy of Theatre. (3) I, II. Understanding and appreciating the arts of the theatre, development of dramatic forms and practices, consideration of the elements of contemporary theatrical practice. Analysis of plays. Attendance at selected play productions required. Gen. Ed. 07.

110 Stagecraft. (3) I. Problems of stagecraft dealing with the scenic process; use of materials, methods of construction and handling of scenery, fabrication and construction of properties. 2 Lec/2 Lab.

130 Theatre Arts Practicum I. (1) I, II. Study and practice of technical production through participation in departmental productions. May be retaken to a maximum of three hours.

135 Acting I. (3) I, II. Study and practice in basic movement for the performer, pantomime, improvisation, and beginning scene work.

200 Theatrical Makeup. (2) A. Formerly THE 215. Techniques in application and design of stage make-up, both straight and character.

220 Costume Construction. (3) A. Study and practical experience in garment construction and related costume crafts as used in theatre costume design. 2 Lec/2 Lab.

235 Acting II. (3) A. Prerequisites: THE 135 and SPE 150. Study and practice in sense, body, and vocal awareness, and character development as related to scene study.

280 Musical Theatre. (3) A. Study of the development of musical theatre as an art form, and an examination of the acting, directing, and production techniques peculiar to that form.

285 Dance for the Stage I. (2) I, II. A beginning course in dance for the stage. Starting with basic work in ballet to develop strength and coordination, the class moves into jazz styles and routines for the stage. Class meets for one hour, Monday through Thursday. May be retaken to a maximum of eight hours.

300 Theatrical Makeup II. (2) A. Prerequisite: THE 200. Continuation of THE 200. Concentration placed on skills used in 3-D makeup, mask building and studio makeup.

310 Scenic Design. (3) A. Prerequisite: THE 110 or instructor approval. Principles of composition, scale, perspective, and color applied to the stage; production of ground plans, sketches, and models. 2 Lec/2 Lab.

311 Lighting Design. (3) A. Prerequisite: sophomore standing. Examination of theories of lighting with application to the stage, mixed media, dance, and natural environment. Consideration given to color principles, lighting instruments and control equipment. 2 Lec/2 Lab.

320 Costume Design. (3) A. Design and execution of theatrical costumes with emphasis on originality, color and line. Attention given to costumes of various periods and styles. 2 Lec/2 Lab.

330 Theatre Arts Practicum II. (1) I, II. Prerequisite: THE 130 or departmental approval. Continuation of THE 130. May be retaken to a maximum of three hours.

335 Advanced Acting I. (3) A. Prerequisite: THE 235. Advanced analysis of scripts and characters, with detailed scene study and performance; emphasis on twentieth-century acting styles.

341 Directing. (3) I. An introduction to the principles of play directing. Study of play selection and analysis, characterization, composition, blocking, and casting and rehearsal procedures.

349 Cooperative Study: Theatre Arts. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight associate; sixteen baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

385 Dance for the Stage II. (2) I, II. Prerequisite: THE 285. Upper division dance course. Emphasis is placed on technique and polish through more advanced combinations and a greater diversity of styles. Ensemble work, tap, jazz, and partnering will be included. Class meets for one hour, Monday through Thursday. May be retaken to a maximum of eight hours.

390 Theatre History I. (3) I, A. Intensive examination of development of theatre from the Greeks to the French Renaissance. Gen. Ed. 07.

391 Theatre History II. (3) II, A. Development of theatre from the English Restoration to the modern period. Gen. Ed. 07.

430 Dramatic Literature. (3) A. Cross listed as ENG 430. Survey of the major periods and genres of world dramatic literature, from the Greeks to the present; selected readings from the major playwrights, critics, and theorists.

435 Advanced Acting II. (3) A. Prerequisite: THE 335. The study of roles and scenes from the classical repertoire. Practice in character analysis and technique in both tragedy and comedy; rehearsal and presentation of scenes.

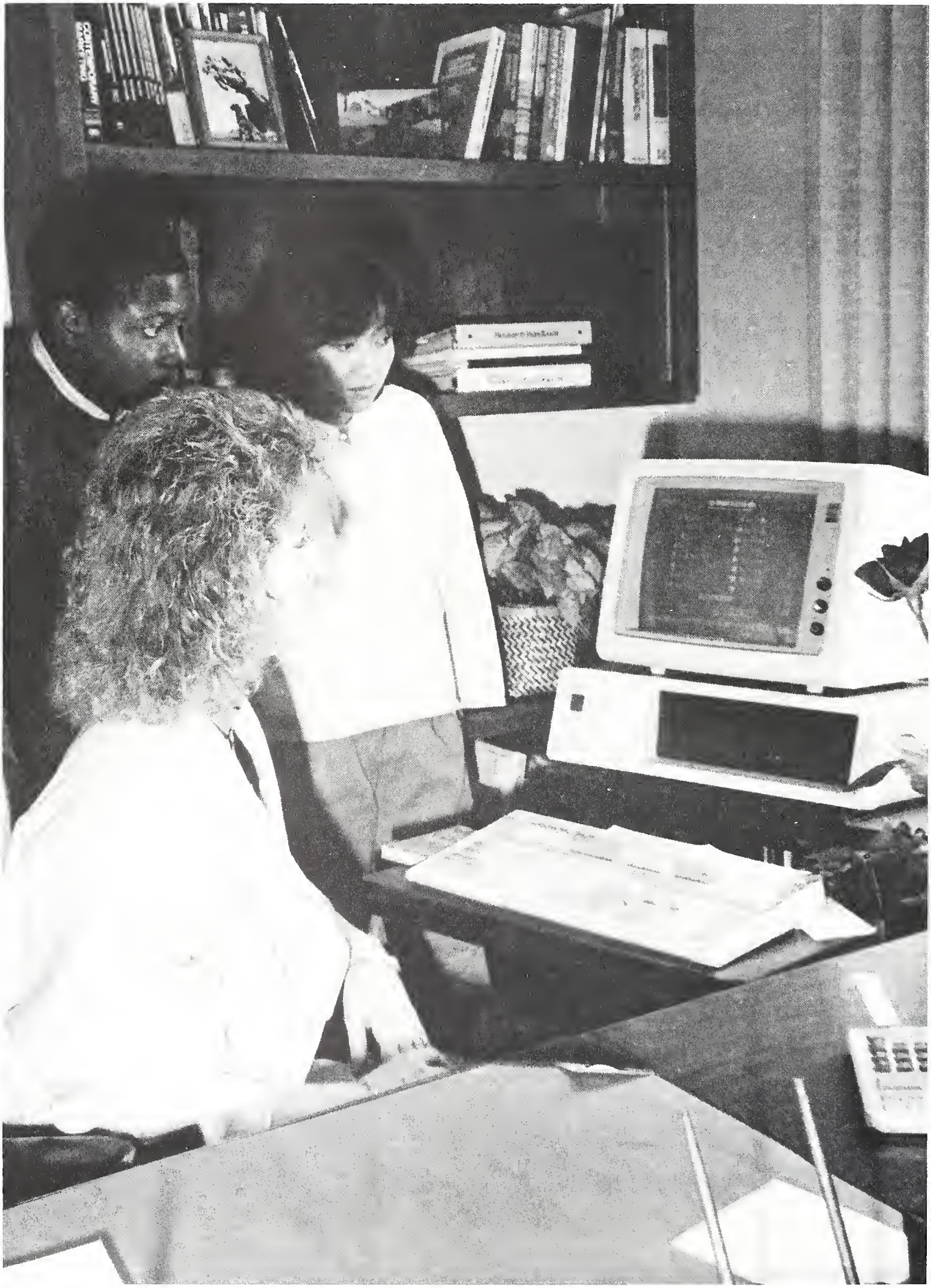
442 Independent Study in Play Direction. (1-3) A. Prerequisite: THE 341 and department approval. Direction of a studio or major production under faculty guidance. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

490 Special Topics in Theatre Arts. (1-3) A. Presentation of course material of a timely, specialized or topical nature. Specific course orientation will appear beside title. May be retaken to a maximum of nine hours, if the subject matter is different.

499 Independent Study in Theatre Arts. (1-3) I, II. Prerequisite: departmental approval. Independent study in theatre production and research. May be retaken to a maximum of six hours credit. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSE

805 Independent Study in Theatre Arts. (1-3) A.



COLLEGE OF BUSINESS

CHARLES F. FALK, Dean ALFRED PATRICK, Acting Director MBA Program

CONTENTS

Accounting 114
Business Administration 115
Business Education and Office Administration 118
Economics 121
Finance and Business Systems 122

ABOUT THE COLLEGE OF BUSINESS

The College of Business, one of the largest units within the University, offers a diverse set of academic opportunities for students. Over sixty full time faculty provide a person-centered experience for students majoring in the College. The programs in the College of Business are designed to provide professional education for careers in business. Together with the general education requirements, the curriculum also provides an understanding of one's cultural heritage and of the citizen's role in a rapidly changing technological society. Many graduates of the College have advanced to positions of prominence in their chosen fields.

GRADUATE EDUCATION

The College of Business, in cooperation with the Graduate School, offers the degree of Master of Business Administration. The Department of Business Education and Office Administration cooperates with the College of Education to offer the Master of Arts in Education degree for teachers of business.

THE FOUR-YEAR BACHELOR OF BUSINESS ADMINISTRATION DEGREE PROGRAM

Four-year programs leading to the degree of Bachelor of Business Administration are offered in accounting, computer information systems, economics, finance, general business, health care administration (in cooperation with the College of Allied Health and Nursing), insurance, management, marketing, office administration, real estate, and transportation and physical distribution. Pre-baccalaureate programs in business have been established to facilitate the admission of qualified students into these programs. Specific requirements for admission to Bachelor of Business Administration degree programs are listed below. A four-year program for secondary business teachers leading to the Bachelor of Science degree is also offered.

Blending interests in business and law

Many students planning to attend law school find undergraduate programs in business particularly good background for their legal study.

International business

Students pursuing a Bachelor of Business Administration degree who desire to enter international business, by careful planning, may concentrate 11 to 23 hours in history, geography, and language of a foreign trade area of greatest interest to them. Foreign trade area preparation is encouraged by and attractive to international business firms. Within this concentration, the student is encouraged to include cooperative study assignments with an international business firm. Business students interested in a foreign trade area concentration should contact the College of Business advising office.

About the Central Advising Office

An important service to students majoring in business is the College of Business Central Advising Office (CAO). Located in Combs 326, the CAO is open daily to provide advice and assistance to pre-business and business majors. Students who decide to major in business will file a curriculum plan with the CAO and, with the assistance of professional counselors, will make course selections appropriate to their interests and in conformance with College requirements. The CAO staff will also assist students in making contact with College of Business faculty members who can provide advice on career matters and assist students in making elective course choices.

During portions of the term, the CAO maintains evening hours for the convenience of part-time and other non-traditional students. Business majors should plan on familiarizing themselves with the services of the CAO very early in their career at Eastern.

Financial Aid

Students in the College of Business are eligible for financial aid and grants, as are all other students in the institution, and should contact the Financial Assistance office if interested.

FRESHMEN AND SOPHOMORES IN THE COLLEGE OF BUSINESS

Students desiring admission to a program leading to a Bachelor of Business Administration (BBA) degree must complete MAT 107 or 211; ENG 101 and 102, or 105; ACC 201, 202, ECO 220, 230, 231, CIS 212, and GBU 204. These students will be enrolled in a pre-baccalaureate business program. Pre-baccalaureate business program students shall declare an intended major within the College of Business. Entry into the pre-baccalaureate business program does not guarantee admission to a baccalaureate degree (BBA) program in the College of Business. To be admitted to the BBA program, the student must have completed a minimum of 60 semester hours of course work, including **the following business pre-baccalaureate required courses:** MAT 107 or MAT 211; ENG 101 and 102, or 105; ACC 201, 202, ECO 220, 230, 231, CIS 212, and GBU 204, and must have achieved **a grade point average of 2.25 in the ten business pre-baccalaureate courses,** and an overall grade point average of 2.0.

Students may register during the second semester of their sophomore year for upper division courses in the College of Business that are required for the Bachelor of Business Admin-

istration degree if they have completed at least 42 semester hours of college work and are enrolled in or have completed the ten courses listed above and enough additional work to include their 60th semester hour. If a student does not meet the requirement for full admission to a BBA program at the beginning of the semester for which the student has registered (i.e., completion of at least 60 semester hours of course work, completion of the 30 hour pre-baccalaureate core specified above, and the attainment of an overall 2.0 grade point average with a 2.25 grade point average in the business pre-baccalaureate core), the student will be required to withdraw from upper division courses in the College of Business until satisfactorily completing all program admission requirements. Delay in completing the pre-baccalaureate business program could cause a delay or interruption of the student's academic progression.

TRANSFER STUDENTS AND STUDENTS FROM OTHER COLLEGES

Transfer students must have completed at least 60 semester hours of course work and all courses listed above to be eligible for admission into a Bachelor of Business Administration program. Admission requirements into BBA programs for transfer students shall be the same as those for students enrolling initially at Eastern Kentucky University, including an overall grade point average of 2.0, with a 2.25 grade point average in the business pre-baccalaureate core.

Transfer students and students from other colleges may be admitted to a pre-baccalaureate business program while they are qualifying for admission into a Bachelor of Business Administration program.

Students from other colleges at Eastern Kentucky University wishing to change their program to a Bachelor of Business Administration must satisfy requirements specified for pre-baccalaureate business majors. Admission is based on completion of MAT 107 or 211; ENG 101 and 102, or 105; ACC 201, 202, ECO 220, 230, 231, CIS 212, GBU 204; a total of at least 60 semester hours completed, and an overall grade point average of 2.0, with a 2.25 grade point average in the business pre-baccalaureate core.

Students from other colleges at Eastern Kentucky University who wish to enroll in an upper division course in the College of Business must have achieved at least junior standing and may enroll for no more than a total of nine hours of course work.

ELIGIBILITY FOR READMISSION

Any student who is withdrawn from a Bachelor of Business Administration degree program and wishes to be readmitted must petition, in writing, the Admission Committee of the department responsible for the major. The petition must be filed in the department office by April 15 for summer term or fall semester entry and October 15 for spring semester entry. Readmission decisions may be appealed only on a procedural basis to the College of Business Admission Appeals Committee. Final appeal authority resides entirely within the College of Business. The College of Business Admission Appeals Committee shall be composed of one elected member from each department within the College of Business. The chair of this committee shall be selected by the members of the committee.

PREREQUISITE STRUCTURE IN THE COLLEGE OF BUSINESS

The curriculum in the College of Business is highly structured and carefully integrated. The content and methodology utilized in upper division junior and senior level courses is based upon an assumption that students participating in them have matriculated through a specific series of lower division freshman and sophomore level courses which provide students with competencies needed for successful participation in upper division courses within the College of Business.

Students who may enroll in upper division business courses include:

1. College of Business majors who have successfully completed the pre-business baccalaureate sequence with an acceptable grade point average;
2. College of Business minors;
3. Students majoring in other departments whose planned curriculum includes (by virtue of agreements of sponsoring departments with the College of Business) selected business courses which support a non-business major or minor;
4. Students in the College of Social and Behavioral Sciences seeking the Bachelor of Arts degree in economics;
5. Those students who are not in categories one through four, above, and who obtain permission of the Dean of the College of Business or his/her designee to enroll in upper division College of Business courses.

Students who enroll in upper division College of Business courses, and who **do not** meet the eligibility requirements as outlined in one through five, above, are subject to having their enrollments in such courses cancelled by action of the Dean of the College, without notice, at any time during the term.

PLANNED CURRICULUM

Upon completion of 60 hours, a planned curriculum (which specifies the remaining graduation requirements) must be initiated by contacting the Central Advising Office. Teaching majors must have been admitted to the Teacher Education Program prior to the preparation of a planned curriculum. Any subsequent change in the planned curriculum is proposed on forms available in the Central Advising Office.

DEGREE REQUIREMENTS

General University requirements described on page 31 in Part Three of this Catalog, as well as specific course requirements set forth in the description of curricula, must be met by students completing associate and baccalaureate programs administered by the College of Business. See programs under each department for major and minor requirements. Common to all programs is the Academic Orientation course (CBO 100) of the College of Business.

In order to be graduated with a Bachelor of Business Administration degree, students must apply to the office of the Dean of the College of Business. December graduates should apply the preceding April; May and August graduates should apply the preceding October. The requirements for the degree are as follows:

1. A 2.0 grade point average must be maintained in all work taken in the College of Business.
2. Candidates for degrees must earn 30 of the last 36 hours at Eastern Kentucky University. This requirement may be waived by the Dean of the College of Business.
3. Hours earned by correspondence study are accepted upon written approval of the Dean. However, not more than 25 percent of the total hours offered for the degree may be in correspondence, military credit, or credit by examination.
4. Not more than 60 percent of undergraduate coursework shall be devoted to business, economics, and administration. However, up to nine hours of lower division economics will not be included in this 60 percent.
5. Completion of the business core and supporting course requirements.
6. At least 12 of the hours in the major must be earned at Eastern Kentucky University. A grade of "C" or higher is required in each course for credit toward the major.

7. Students must choose a major field at the time they enter the College of Business. The student's trial schedule for each semester must be approved by the Central Advising Office.

8. A second major can be completed in the College of Business or in another college of the University. However, since business students take the business core, they may not minor in the College of Business.

9. A signed planned curriculum.

APPLICATION FOR GRADUATION

Students must file an application for graduation in the dean's office no later than April 30 for December graduation and no later than October 31 for either May or August graduation. It will be the student's own responsibility to plan and register for the proper courses to meet all graduation requirements.

REQUIRED SUBJECTS

(Refer also to Index under General Education requirements.)

General Education

CBO 100, ENG 101 and 102, or 105; zero to three hours Symbolics of Information; nine to 12 hours Humanities: nine to 12 hours Social Science; nine to 12 hours Natural Science; HPR 180, 181, HEA 281, and eight hours restricted electives to be met by MIL 101, 102, 202, 203 or 204, or by electives to be chosen outside the College of Business.

Supporting Course Requirements

MAT 107 or 211 (MAT 211 also satisfies the math requirement for entry into the MBA program).

The Business Core: 45 hours

ACC 201, 202, CIS 212, ECO 220, 230, 231; ECO 300, 324, 350, 351, 394 or 492; FIN 300, GBU 204, 480, MGT 300, 310, MKT 300; OAD 201 or 300; at the election of the major department CIS 390, ECO 530, or MGT 340.

CBO—Business Orientation

100 Academic Orientation. (1) I. Designed to orient the student to university academic life and afford background for career choice and preparation. Included are University regulations and calendar, Catalog details, registration and preregistration, various career opportunities, and program requirements. Not open to students with more than 30 semester hours.

Course Prerequisites

Students are urged to review carefully all course prerequisites, including the 60 hour rule, before scheduling 300-level courses (See Index under "Course Numbering"). These are necessary for the maintenance of quality teaching standards and must be observed. Failure to do so may result in the student's mandatory withdrawal from the course.

Satisfactory Progression and Repeat Course Policies

The College of Business limits the number of times a business major or minor may repeat a business core course. Normally, such courses may be repeated only once. Exceptions to this policy are rare and must be approved by the Dean of the College of Business.

For non-core courses, a student may enroll for a third or subsequent repeat only under unusual and extenuating circumstances, and only with the written approval of the Dean of the College of Business. Students outside the College of Business must also obtain written permission of the Dean of the College for third or subsequent repeats. Courses to be submitted toward the accounting major may be repeated only once without the consent of the departmental chair.

Approval for any deletion of "F's" previously earned in a College of Business course is contingent upon successful completion of that course.

BACHELOR OF SCIENCE IN BUSINESS EDUCATION (TEACHER CERTIFICATION)

The Department of Business Education and Office Administration, in cooperation with the College of Education, provides programs leading to certificates qualifying graduates to teach business subjects in the high school. Students in these programs must have a grade point average of 2.5 on their record and (also in their required area or major) to be eligible for student teaching. Students following these programs must meet the business core requirements as noted. Students interested in business teacher certification should consult the Chair of the Department of Business Education and Office Administration.

COOPERATIVE EDUCATION

The College of Business participates in the University-wide cooperative education program. Enrollment is open only to College of Business majors. Cooperative education is an opportunity for students to enrich the standard curriculum with supervised and structured work experience highly correlated to their academic major. Students will be permitted to enroll in cooperative education courses sponsored by the College of Business only after a satisfactory job description, training plan, and agreement with a cooperating employer have been submitted. The Cooperative Education Coordinator in the College can provide advice and assistance for students wishing to meet these requirements or who need help in locating a cooperating employer offering relevant work experience.

Eligibility. Cooperative education courses in the College of Business are listed at the 300 level, which presumes that students seeking to enroll in them will have achieved junior level standing and will also have completed the business pre-baccalaureate core specified elsewhere in this section. Further, students must hold a cumulative grade point average of 2.25 and obtain the approval of the appropriate department chair to be eligible to enroll in a cooperative education course.

Enrollment limits. Normally, a business major may only enroll for three hours of cooperative education credit in any one term. Students may re-enroll, usually with a different cooperating employer, in subsequent cooperative education courses to earn a maximum of six hours of academic credit. Eighty hours of supervised work experience must be documented for each semester hour of academic credit granted.

THE TWO-YEAR ASSOCIATE OF ARTS DEGREE PROGRAM

The College of Business, through its Department of Business Education and Office Administration, offers a number of two year Associate in Arts degree programs. Such programs offer an attractive alternative to the individual who is not interested in or not able to pursue a full four year baccalaureate degree program. The associate degree opportunities aim toward providing the student with an attractively balanced program of study devoted to: (1) general education; (2) general business preparation; and (3) specific training oriented to the employment needs of people wishing to work in modern office support and administration roles.

Associate degree programs include: Administrative Office Systems, Executive Office Systems, Legal Office Systems, and Medical Office Systems. Details concerning the program requirements can be found in the departmental description for the Department of Business Education and Office Administration.

MINORS IN THE COLLEGE OF BUSINESS

The College of Business sponsors minors in four areas. They include:

General Business

There is a minor in business for students in colleges other than the College of Business. This minor consists of ACC 201, 202, ECO 230, 231 and the six additional hours as approved by the Dean of the College of Business. University policy states that a student cannot use pass/fail for the minor.

Economics

A minor in Economics may be taken by students enrolled in the College of Social and Behavioral Sciences pursuing a Bachelor of Arts degree. A student pursuing a Bachelor of Arts degree (teaching) may also minor in Economics.

Computer Information Systems

A minor in computer information systems is offered for students in colleges other than the College of Business.

Secretarial and Office Administration

Non-teaching secretarial and office administration minors are offered by the Department of Business Education and Office Administration.

For more information about minors, please see the departmental information which follows.

Other combinations of business courses may be taken by students outside the College of Business. Such courses may then be listed on an employment application as a "concentration" of business courses but may not be designated as a "minor."

GRADUATE COURSE CREDIT

Courses numbered in the 500 level series are open to seniors who meet course and program prerequisites. Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduates. To properly identify graduate credit for graduate students enrolled in the same course with undergraduates, the 700 level course numbering series is used. Courses numbered in the 800 level are open only to graduate students.

DEPARTMENT OF

ACCOUNTING

C.K. Smith, Chair; Cain, Fenton, Fern, Frazier, French, Griffith, Isaacs, Latham, Messmer, Reed, Thorne, Wilson.

The Department of Accounting provides courses in accounting required of students obtaining a degree in Business. In addition, it offers two programs for majors. The professional accounting program is designed to prepare graduates to enter an accounting firm with the anticipation of seeking the CPA designation. It will also prepare students to enter careers in government or industry where they might not seek the CPA designation. The Health Care Administration program is designed to supply a present and growing need for properly prepared management personnel in the health care industry.

A listing of required courses for each program is shown elsewhere in the Catalog. It is recommended that all students carefully select their courses in consultation with the central advising office to improve their career effectiveness.

Courses submitted toward the major must be completed with a grade of "C" or higher, and may be repeated only once without consent of the department chair. At least 12 of the hours in the major must be earned at Eastern Kentucky University. No minors are available in the Department of Accounting.

The Department of Accounting participates in the Master of Business Administration Program. A student with a strong accounting background may take a maximum of 12 elective hours of graduate level accounting courses. However, ACC 500 and 550 cannot be taken by students who have an undergraduate major in accounting. A detailed description of this program is presented in the Graduate Catalog.

Health Care Administration

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... 18 hours
ACC 300, 370, 375; ECO 570; MGT 320; OAD 280.

Business Core ..... 45 hours
ACC 201, 202, ECO 220, 230, 231, 530, and three hours selected from ECO 300, 324, 350, 351, 394, or 492; CIS 212, FIN 300, GBU 204, 480, MGT 300, 310, MKT 300, OAD 201 or 300.

Supporting Course Requirements ..... 12 hours
HEA 516, 555, MAT 107 or 211; AHN 570

General Education Requirements ..... 52 hours
Standard general education program, excluding course category 03. Refer to Part Three of this catalog for details on General Education and University requirements.

Internship ..... 4 hours

Total Curriculum Requirements ..... 131 hours

Accounting

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... 31 hours
ACC 250, 301, 302, 322, 323, 327, 350, 401, 425, 441, and either 442, 521, or 527.

Business Core ..... 45 hours
ACC 201, 202, ECO 220, 230, 231, 530, and three hours selected from ECO 300, 324, 350, 351, 394, or 492; CIS 212, FIN 300, GBU 204, 480, MGT 300, 310, MKT 300, OAD 201 or 300.

Supporting Course Requirement ..... 3 hours
MAT 107 or 211.

General Education Requirements ..... 52 hours
Standard general education program, excluding course category 03. Refer to Part Three of this catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... 131 hours

Course Descriptions

ACC—Accounting

201 Principles of Accounting. (3) I, II. Fundamental accounting relationships; completion of the accounting cycle; accounting process for merchandise enterprise; receivables, payables and inventories; deferrals, accruals, and intangible assets.

202 Principles of Accounting. (3) I, II. Prerequisite: ACC 201. Accounting systems, concepts, and principles; formation, organization, and operations of partnerships and corporations; departments and branches; statement analysis, cost and manufacturing accounting.

210 Accounting for the Paralegal Profession. (3) II. Prerequisite: ACC 201. Selected topics of relevance of business entries; matters relating to estates and trusts; selected topics pertaining to real estate.

250 Introductory Accounting/Computer Applications. (1) I, II. Prerequisite: ACC 201. The use of the computer in basic accounting applications. Several basic programs for a three-month accounting cycle will be utilized.

280 Tax Planning. (3) I. A basic course in history, concepts, and theory of the tax law. The tax effect of business decisions for the individual, sole proprietorship, partnership, corporations, and fiduciaries.

300 Managerial Accounting. (3) I, II. Prerequisite: ACC 202 with minimum grade of "C." Accounting structure and systems; the uses and interpretation of financial statements; accounting and management control; accounting in the decision making process. May not be taken by accounting majors.

301 Principles of Accounting-Intermediate. (3) I, II. Prerequisite: ACC 202 with minimum grade of "C." Accounting statements; receivables; inventories; current liabilities; investments in stocks, bonds, and funds.

302 Principles of Accounting-Intermediate. (3) I, II. Prerequisite: ACC 301 with minimum grade of "C." The acquisition, use, and retirement of plant and equipment; depreciation, depletion, and revaluations; intangible assets and long-term liabilities; capital stock; analysis of financial statements.

322 Tax I. (3) I, II. Prerequisite: ACC 202 with minimum grade of "C." Income Tax legislation-Federal and State; returns for individuals; gross income; basis and determination of gain or loss; capital gains and losses; dividends, deductions; withholding.

323 Tax II. (3) I, II. Prerequisite: ACC 322 with minimum grade of "C." Federal income tax report preparation with emphasis on partnership and corporate returns; estate and trusts; gift and estate taxes; special problems in preparation of tax returns.

327 Cost Accounting. (3) I, II. Prerequisite: ACC 202 with minimum grade of "C." Cost flows and cost systems; the cost accounting cycle; basic cost determination systems and procedures; standard costing; budgeting, and decision making applications.

330 Taxation of Real Estate. (3) I. Prerequisite: instructor approval. A specialized course in tax and accounting problems encountered in real estate transactions and tax shelters. The student needs will determine the primary emphasis.

331 Taxation of Natural Resources. (3) II. Prerequisite: instructor or departmental approval. Emphasis on accounting and tax problems of the oil and gas, solid mineral, timber, and other waste asset industries.

349 Cooperative Study in Accounting. (1-4) A. Co-curricular work experience under faculty and field supervisors in placements related to academic studies. Training plan required. Normally one to four hours credit per semester or summer. Minimum 80 hours work required for each academic credit.

350 Accounting Information Systems. (3) I, II. Prerequisites: ACC 202 and junior standing. The conceptual foundations of accounting information systems, the technology, the systems management of accounting information systems.

370 Health Agency Accounting. (3) II. Prerequisite: ACC 202. Complexities of health agency accounting including: accounting for cost, patient revenues, third party reimbursement programs, and public rate regulation procedures.

375 Seminar In Health Care Administration. (3) A. Prerequisite: ACC 300 with a minimum grade of "C." Individual and group investigation of contemporary problems, issues and trends in selected health care facilities.

390 Internship In Accounting. (4) II. Prerequisites: "B" average and departmental approval. By invitation only.

395 Internship. (3) I, II. To acquaint the student with the health care field and enable the student to practice the application of managerial skills under the supervision of a selected preceptor.

401 Principles of Accounting-Advanced. (3) I, II. Prerequisite: ACC 302 with a minimum grade of "C." Partnerships; home office and branch relationship; corporate combinations; consolidated balance sheet; special problems with consolidated statements; foreign branches and subsidiaries.

425 Readings in Accounting. (3) I, II. Prerequisite: ACC 401 with a minimum grade of "C." Readings course in accounting literature with special emphasis on publications of AICPA, FAS, AAA, SEC, and court cases involving legal liability and other areas.

430 Accounting and Financial Practices in Regulated Industries. (3) A. Cross listed as FIN 430. Prerequisites: ACC 202 and FIN 300 with minimum grades of "C." Analysis of regulatory accounting and financial practices of regulated industries. Emphasis on requirements imposed by regulatory agencies including ICC, FPC, PSC, and CAB.

441 Auditing I. (3) I, II. Prerequisites: ACC 302, 425, and ECO 220 with minimum grades of "C." Professional ethics; accountant's legal responsibility; internal control; general arrangement and procedure of an audit; asset accounts; liability accounts; operating accounts; the audit report.

442 Auditing II. (3) II. Prerequisite: ACC 441 with a minimum grade of "C." Application to accounting and auditing of internal control, statistical sampling, computer techniques and audit reports.

490 Special Problems in Accounting. (1-6). A. May be retaken under different subtopics to a cumulative maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

500 Public School Accounting. (3) A. Study in accounting and fiscal procedures for public schools.

521 Fund Accounting. (3) I. Prerequisite: ACC 202 with a minimum grade of "C." Advanced study in accounting and fiscal procedures for institutions and federal, state, county, and municipal governments.

525 Accounting Problems. (3) II. Prerequisite: ACC 302 with a minimum grade of "C." An advanced course; the contents will be determined by the needs of the students registering for it.

527 Managerial Cost Accounting. (3) A. Prerequisite: ACC 327 with a minimum grade of "C." Advanced problems in cost, budgets, distribution costs, measurements of departmental efficiency, and analysis of cost information for managerial decisions.

540 CPA Law. (3) I, II. Prerequisites. strong accounting background and instructor approval. Law as it relates to the accounting profession. Cases used from previous examinations given by the AICPA. Emphasis on short cuts and suggestions for time-saving on the examination.

550 Accounting for Non-Profit Organization. (3) II. General theory of budget implementation, and reporting as well as internal control and other significant areas for not-for-profit organizations.

GRADUATE COURSES

700 Public School Accounting. (3) II.
721 Fund Accounting. (3) I.
725 Accounting Problems. (3) II.
727 Managerial Cost Accounting. (3) A.
740 CPA Law. (3) I, II.
750 Accounting for Non-Profit Organizations. (3) II.
820 Survey of Accounting. (3) I.
850 Managerial Accounting. (3) II.
855 Advanced Auditing. (3) II.
857 Research in Taxes. (3) I.
858 Accounting Theory. (3) II.
860 Seminar in Accounting. (3) A.
890 Special Problems in Accounting. (1-6) A.

DEPARTMENT OF
BUSINESS ADMINISTRATION

C.L. Hilton, Chair; P. Brewer, Davig, Garner, Hale, Hibbard, Joiner, King, Landrum, Leonard, Mangold, Milward, Roberson, Shelor, Tabibzadeh, Thompson, Wright.

The Department of Business Administration offers courses in general business, management, marketing, and transportation and physical distribution leading to the Bachelor of Business Administration degree.

The Department of Business Administration participates in the Master of Business Administration program. A detailed description of this program is presented in the Graduate Catalog.

GENERAL BUSINESS

The Bachelor of Business Administration degree in general business is designed to provide the student with a broad overview of the basic functions of business administration. Graduates may qualify to fill general administrative positions in business or to operate small businesses.

The general business major consists of 18 hours above the business core. All courses submitted toward the major must be completed with a grade of "C" or higher. At least 12 of the hours in the major must be earned at Eastern Kentucky University.

General Business

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... **18 hours**
Six hours FIN; six hours MGT; six hours MKT; all in addition to the business core and approved by advisor.

Business Core ..... **45 hours**
ACC 201, 202, ECO 220, 230, 231, and three hours selected from ECO 300, 324, 350, 351, 394 or 492; CIS 212, FIN 300, GBU 204, 480, MGT 300, 310, 340, MKT 300, OAD 201 or 300.

Business Electives ..... **9 hours**
Suggested electives include ACC 300, ECO 300, CIS 380, INS 370, RST 310 or TPD 315.

Supporting Course Requirements ..... **3 hours**
MAT 107 or 211.

General Education Requirements ..... **52 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **1 hour**

Total Curriculum Requirements ..... **128 hours**

Course Descriptions

GBU—General Business

204 Legal Environment of Business. (3) I, II. Prerequisite: minimum 45 hours. Law and the legal system; social forces that make the law; business response to the social and legal environment. Focus on government regulation and federal regulatory agencies which impact business decision-making.

310 Law of Contracts, Property and Business Organizations. (3) I. Principles of the law of contracts, property and the formation, relationship and implications of partnership, corporations and agencies.

311 Law of Commercial Transactions. (3) II. Principles for law of personal property transfers, negotiable instruments, secured transactions, the application of the Uniform Commercial Code and business transactions, bankruptcy, and governmental regulation.

349 Cooperative Study in General Business. (1-3) A. Prerequisite: minimum gpa 2.25, and BBA major, only. Co-curricular work experience under faculty and field supervisors--Training Plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit. May not count toward major.

350 Seminar in Business. (1-3) A. A carefully selected topic of special and contemporary interest to business students. May be retaken under different subtitles to a cumulative maximum of nine hours.

352 Women in Administration. (3) A. A study of equal opportunity laws, how to implement the laws, and problems and trends in incorporating women into the work force. Does not count toward major.

360 Business Internship. (2-4) A. Prerequisites: minimum gpa 2.25 and departmental approval. Practical experiences of the type appropriate for the student's major.

449 Business Consulting Practicum. (3) A. Formerly GBU 549. Prerequisites: senior and instructor approval. Students work under faculty supervision in a consulting role with area business firms, identifying problems, recommending corrective action, and implementing new procedures.

480 Administrative Policy. (3) I, II. Formerly GBU 504. Prerequisite: senior who has completed or is concurrently completing all other requirements of business major. A capstone study of administrative processes under conditions of uncertainty including integrative analysis and formulation of strategy and supporting policy at administrative/executive levels.

GRADUATE COURSES

850 Legal, Ethical, & Social Environment of Business. (3) I.

851 Business Policy. (3) II.

MANAGEMENT

The primary objective of the Bachelor of Business Administration degree in management is to extend the business core concepts to the management of various types of profit and non-profit organizations. This objective is further construed to act as an integrating mechanism for the various business functions and to equip the student with the necessary conceptual tools for the identification, analysis and solution of business problems. Within the management major, students are given the opportunity to develop general administrative skills, to acquire skills needed in personnel administration, or to improve the decision making skills required in production/operation management.

All courses submitted toward the major must be completed with a grade of "C" or higher. At least 12 of the hours in the major must be earned at Eastern Kentucky University.

Management

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... **18 hours**
MGT 320, 400, 480, and nine hours of undergraduate MGT electives above core determined with advisor.

Business Core ..... **45 hours**
ACC 201, 202, ECO 220, 230, 231, and three hours selected from ECO 300, 324, 350, 351, 394 or 492; CIS 212, FIN 300, GBU 204, 480, MGT 300, 310, 340, MKT 300, OAD 201 or 300.

Business Electives ..... **9 hours**

Supporting Course Requirements ..... **3 hours**
MAT 107 or 211.

General Education Requirements ..... **52 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **I hour**

Total Curriculum Requirements ..... **128 hours**

Course Descriptions

MGT—Management

220 Introduction to Management. (3) I, II. Non-business majors, only. Introduces management concepts, theories, systems, and functions related to the performance of businesses and other organizations in dynamic environments. Cannot be used for credit toward BBA degree.

300 Principles of Management. (3) I, II. Management principles with emphasis on organization theory, human relations, interpersonal communications, production, business ethics, development of management thought, and managing in the international arena.

310 Operations Management. (3) I, II. Prerequisite: MGT 300 and ECO 220. Production and operations functions in both manufacturing and non-manufacturing organizations; systems concept; facilitates location and layout; human factors; forecasting; production planning/control; inventory control; work measurement.

320 Personnel Administration. (3) I, II. Prerequisite: MGT 300. Principles, practices, and techniques in development of personnel programs. Job analysis, description, and classification; personnel selections, evaluation, development, and training; compensation, benefits, and pensions; relations with government and unions.

324 Collective Bargaining. (3) I, II. Prerequisite: MGT 320. Bargaining procedures; basic institutional issues in bargaining, economically related administrative clauses, strike and lockout tactics and contract administration; preparation, negotiation, and interpretation of labor contracts.

330 Small Business Management. (3) I, II. Small business organization, location, financial planning, records, unit costs, merchandising, credit, and personnel policies.

340 Managerial Decision Theory. (3) I, II. Prerequisite: ECO 220. Theory and application of quantitative techniques utilized in business decision making; emphasis on problem formulation and modeling, linear programming, queuing theory, statistical analysis, simulation.

349 Cooperative Study in Management. (1-3) A. Prerequisite: minimum gpa 2.25, and BBA major, only. Co-curricular work experience

under faculty and field supervisors--Training Plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit. May not count toward major.

400 Organization Theory. (3) I, II. Principles of organization design as they relate to goals and strategy formulation, environmental conditions, technology, job design, control systems, and decision making.

406 Managerial Systems Analysis. (3) I. Advanced methods and techniques used to analyze environmental change, monitor, and analyze organizational performances, control resources, and otherwise direct the management of complex organizations.

420 Human Resources Development. (3) I. Advanced theories and practices utilized by modern business organizations in the acquisition, placement, development, motivation, and assessment of their human resources in the interest of effective performance and employee satisfaction.

425 Compensation Management. (3) II. Prerequisite: MGT 320. Review of the assignment of monetary value to each position; non-monetary rewards; monetary rewards; employee benefit programs; the relationship between compensation and performance.

430 Comparative Management Practices. (3) II. The study of various management styles and techniques in the US, in multi-national corporations, and in foreign countries. A historical and analytical comparison will be made in search for improved managerial performance and effectiveness in the modern international business environment.

450 Management Seminar. (1-3) A. Formerly MGT 550. May be retaken under different subtopics to a cumulative maximum of nine hours. Selected topics in contemporary management literature.

480 Organization Behavior. (3) I, II. Formerly MGT 500. Prerequisite: MGT 300. Determinants and consequences of behavior in business organizations are analyzed in the contemporary language of administrative social systems and models. Interdependence of economic, social, and behavioral factors is emphasized.

490 Special Problems in Management. (1-4) A. Formerly MGT 590. Prerequisite: advisor departmental approval. May be retaken under different subtopics to a cumulative maximum of six hours. Independent work, special workshop, special topics, or seminars. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

821 Organization and Management. (3) II.
824 Production and Quantitative Methods in Operations. (3) I.
850 Administrative Analysis in Organizations. (3) I.
854 Advanced Management Concepts. (3) II.
890 Independent Study in Management. (1-4) A.

MARKETING

The Bachelor of Business Administration degree in marketing is designed to prepare the student for a career in the field of marketing by developing decision-making skills in the marketing functions of buying, selling, advertising, promotion, marketing research, pricing, retailing, sales force management, packaging, and distribution. Within the marketing major, the student may select courses which develop decision-making skills required for careers in one or more of the following areas:

1. General marketing management of various types and sizes of organizations.
2. Advertising, advertising copy production, and promotion.
3. Retail store management.

All courses submitted for the major must be completed with a grade of "C" or higher. At least 12 hours of the major must be earned at Eastern Kentucky University.

Marketing

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... 18 hours
MKT 450, 455, 460 and nine hours selected from the following courses: MKT 304, 310, 315, 320, 324 or COM 325, 400, 404, 408, 426 or COM 450, or 440 determined with advisor.

Business Core ..... 45 hours
ACC 201, 202, ECO 220, 230, 231, and three hours selected from ECO 300, 324, 350, 351, 394 or 492; CIS 212, FIN 300, GBU 204, 480, MGT 300, 310, 340, MKT 300, OAD 201 or 300.

Business Electives ..... 9 hours

Supporting Course Requirements ..... 3 hours
MAT 107 or 211.

General Education Requirements ..... 52 hours
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 1 hour

Total Curriculum Requirements ..... 128 hours

Course Descriptions

MKT—Marketing

200 Introduction to Marketing. (3) I, II. Non-business majors, only. Introduces marketing concepts, techniques, and practices related to businesses and other organizations. Cannot be used for credit toward BBA degree.

300 Marketing. (3) I, II. An introduction to the marketing of goods and services in advanced market economies; study of the marketing mix, pricing, distribution, selling, promotional activities, consumer behavior, and marketing research.

304 Retailing. (3) I, II. Principles of retailing from the marketing perspective; types of retail businesses; organizations; location; layout; management of operations, inventory, personnel, promotion and control.

310 Personal Selling. (3) I, II. Personal selling in marketing, the selling process, stressing the modern, international sales/marketing approach to customer society oriented problem solving.

315 Physical Distribution Management. (3) II. Cross listed as TPD 315. Movement and storage of goods; coordination and control of inventory, customer service, packaging, materials handling, facilities location, flow of information, and transportation.

320 Advertising. (3) I, II. Prerequisite: MKT 300. How advertising is organized; economic and social aspects; advertising research; basic media strategy; consumer behavior; legal and other restraints; careers in advertising.

324 Advertising Copy and Layout. (3) A. Prerequisite: MKT 320. Writing advertising copy for the various media and the study of the art principles utilized in preparing advertising layouts. No art training is required. College of Business students may substitute COM 325 for MKT 324. Credit will not be awarded for both MKT 324 and COM 325.

349 Cooperative Study in Marketing. (1-3) A. Prerequisite: minimum gpa 2.25, and BBA major, only. Co-curricular work experience under faculty and field supervisors—Training Plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit. May not count toward major.

400 International Marketing. (3) I. Prerequisite: MKT 300. Determination of marketing strategy by United States firms and multinational corporations for serving foreign markets and for adapting to variations in cultural and economic factors affecting foreign marketing efforts.

404 Retailing Management. (3) I, II. Prerequisite. MKT 304. Investigation of current problems faced by retailers in store operations, management, retail buying, and inventory control. Outside readings, oral and written case studies, and field trip experiences are required.

408 Sales Management. (3) II. Prerequisite: MKT 310. Sales function in modern organizations with emphasis on current management techniques: time management, on-the-job coaching, directing the sales force to sell key accounts, situational analysis, and decision-making.

426 Advertising Campaigns. (3) II. Prerequisite: MKT 324 or COM 325. Actual planning and execution of a complete advertising campaign, including budgeting, media scheduling, copy and script writing, layout work, taping of radio and television commercials, and presentation of campaign to client (instructor). Credit will not be awarded for MKT 426 and COM 450.

440 Industrial Marketing. (3) A. Prerequisite: MKT 300. An analysis of the marketing structure for industrial products. Product lines, channels of distribution, selling, pricing, and wholesaling problems.

450 Consumer Behavior in Marketing. (3) I, II. Prerequisite: MKT

300. Role of consumer decision-making as it affects the marketing firm; basic concepts of consumer behavior and interrelationships that exist between marketing and the behavioral sciences.

455 Marketing Research and Analysis. (3) I, II. Formerly MKT 500. Prerequisite: MKT 300 and ECO 220. The role of research in marketing decision-making; the research process, with emphasis on collection, analysis, and interpretation of data as applied to solving marketing problems. Students are required to do a research project.

460 Marketing Management. (3) I, II. Formerly MKT 504. Prerequisite: MKT 300 or departmental approval. The strategic marketing planning process involving analysis of the changing market place; analysis of alternative strategies to meet the needs of target markets; and the profitable execution of the marketing plan.

490 Special Problems in Marketing. (1-4) A. Formerly MKT 590. Prerequisite: advisor/departmental approval. May be retaken under different subtopics to a cumulative maximum of six hours. Independent work, special workshop, special topics, or seminars. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

820 Survey of Marketing. (3) II.
850 Marketing Problems. (3) II.
890 Independent Study in Marketing. (1-4) A.

TRANSPORTATION AND PHYSICAL DISTRIBUTION MANAGEMENT

The Bachelor of Business Administration degree in Transportation and Physical Distribution is designed to attain the following objectives: (1) develop an awareness and understanding of the theories, techniques, and problems associated with moving people and goods from the viewpoint of industrial shippers, transportation carriers, and the government; (2) develop an awareness of the functional relationships of transportation and distribution management to other business functions, to the total system of the firm, and to the nation's economy; (3) provide a learning experience which combines the theoretical framework of the classroom and the applied laboratory of the business environment; and (4) provide students with the knowledge and skills needed for successful careers in transportation, carrier management, traffic management, physical distribution and government regulation of transportation.

The transportation and physical distribution major consists of 18 hours above the business core. All courses submitted for the major must be completed with a grade of "C" or better. At least 12 hours in the major must be earned at Eastern Kentucky University.

Transportation and Physical Distribution Management

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... **18 hours**
TPD 315, 330, 430, 450 plus six hours to be approved by advisor.

Business Core ..... **45 hours**
ACC 201; 202; ECO 220; 230; 231, and three hours selected from ECO 300, 324, 350, 351, 394 or 492; CIS 212; FIN 300; GBU 204; 480; MGT 300; 310; 340; MKT 300; OAD 201 or 300.

Business Electives ..... **6 hours**

Supporting Course Requirements ..... **3 hours**
MAT 107 or 211.

General Education Requirements ..... **52 hours**
Standard General Education program excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **4 hours**

Total Curriculum Requirements ..... **128 hours**

Course Descriptions

TPD—Transportation and Physical Distribution

315 Physical Distribution Management. (3) II. Cross listed as MKT 315. Movement and storage of goods, coordination and control of inventory, customer service, packaging, materials handling, facility location, flow of information, and transportation.

330 Principles of Transportation. (3) I. Various forms of transportation and institutional factors influencing transportation decisions. Regulations, public policy, rate making, services, and the integration of transportation with other elements of business.

349 Cooperative Study in Transportation and Physical Distribution. (1-3) A. Prerequisite: minimum gpa 2.25, and BBA major, only. Co-curriculum work experience under faculty and field supervisors—Training Plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit. May not count toward major.

430 Traffic Management. (3) II. Prerequisite: TPD 330. Industrial and carrier functions relating to buying/selling transportation services; legal duties; sources of information and tools available for solving transportation problems.

450 Transportation Law and Regulation. (3) I. Prerequisite: TPD 330. Evolution and development of federal and state laws in the transportation industry. Current regulatory environment affecting decision making for carriers and industry.

490 Special Problems in Transportation and Physical Distribution. (1-4) A. Formerly TPD 590. Prerequisite: advisor/departmental approval. May be retaken under different subtopics to a cumulative maximum of six hours. Independent work, special workshops, special topics, or seminars related to transportation/physical distribution. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSE

890 Independent Study in Transportation and Physical Distribution. (1-4) A.

DEPARTMENT OF

BUSINESS EDUCATION AND OFFICE ADMINISTRATION

A. Patrick, Chair; Adkins, Davis, Gump, Hartman, Jennings, Jones, Vice.

The Department of Business Education and Office Administration has dual purposes: to prepare qualified, certified teachers in business, and to prepare skilled professional office personnel. A student may major in a four-year program in business education or in one of two options in office administration or in a two-year program in administrative office systems, executive office systems, legal office systems, or medical office systems. Non-teaching minors are also offered.

BUSINESS EDUCATION

The Department, in cooperation with the College of Education, provides programs leading to a Bachelor of Science degree and certificates qualifying graduates to teach business education at the secondary level. Students may complete a teaching major in basic business or in secretarial studies. Students who desire to qualify as teachers for federally reimbursed vocational business education programs complete one of these majors; how-

ever, they must also have the equivalent of a year (2,000 hours) of appropriate office work experience.

In order to be admitted to a business teacher education program, students must have a 2.25 grade point average on their entire record and also in their teaching field or fields. However, to be eligible for student teaching, a grade point average of 2.5 is required for the students' entire record and in their teaching field or fields. All business education majors must satisfactorily complete competency examinations and the National Teacher Examination.

Effective July 1, 1989, a grade point average of 2.5 will be required for admission to a teacher education program.

Business Education

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **46-52 hours**
Business Education Core ..... **43 hours**
ACC 201, 202, ECO 220 (MAT 107 prerequisite waived with strong algebra background), 324, GBU 204, 480, FIN 300, MGT 300, 310, MKT 300, OAD 152, 201, 253, 290; CIS 390, ECO 530, or MGT 340. One of the following options must be chosen.
Options
Basic Business ..... **3 hours**
OAD 260
Secretarial Studies ..... **9 hours**
OAD 116, 240, and 303.
Supporting Course Requirements ..... **9 hours**
CIS 212, ECO 230 and 231.
Teacher Education Requirements ..... **29 hours**
Basic Business
EDF 102, 202, 317, EPY 318, ESE 470, 471, 498, 499.
Secretarial Studies
EDF 102, 202, 317, EPY 318, ESE 470, 472, 498, 499.
General Education Requirements ..... **46 hours**
Standard General Education program, excluding course categories 03, 09, and 12. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements
Basic Business ..... **130 hours**
Secretarial Studies ..... **136 hours***

*By also taking ESE 471 (two hours), students completing this major would be certified to teach all secondary business courses except advanced data processing.

GRADUATE PROGRAM

Students may earn the Master of Arts in Education degree with an option in business education. For information concerning this degree program, refer to the College of Education section of the Catalog.

OFFICE ADMINISTRATION

The Bachelor of Business Administration degree with two options is offered for students who want to complete a four-year office administration program without teaching certification. The program is designed to prepare graduates for responsible positions in business, industry, and government as executive secretaries, administrative assistants, and managers.

All work toward the major in Office Administration must be completed with a grade of "C" or higher. At least 12 of the hours in the major must be earned at Eastern Kentucky University.

Office Administration

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... **24 hours**
Office Administration Core ..... **11 hours**
OAD 152, 290, 303, and 560.
Options
Administrative Office Management ..... **13 hours**
CIS 230, OAD 240, 300, three hours upper division business elective, and one hour business elective.
Administrative Office Support .. **13 hours**
OAD 116, 202, 253, 260, and two hours business elective.
Business Core Requirements ..... **45 hours**
ACC 201, 202, CIS 212, ECO 220, 230, 231, 324, FIN 300, GBU 204, 480, MGT 300, 310, MKT 300, OAD 201; CIS 390, ECO 530, or MGT 340.
Supporting Course Requirements ..... **3 hours**
MAT 107 or 211.
General Education Requirements ..... **52 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **4 hours**
Total Curriculum Requirements ..... **128 hours**

OFFICE ADMINISTRATION MINOR

A non-teaching office administration minor consists of the following courses (19 hours): OAD 152, 201, 240, 253, 260, 290, and 303 or 560. This minor is offered for students who want to develop office skills without shorthand proficiency.

SECRETARIAL MINOR

A non-teaching secretarial minor consists of the following courses (19 hours): OAD 116, 152, 201, 202, 253, 260, and 303. This minor is offered for students who want to develop office skills, including proficiency in shorthand.

Administrative Office Systems

ASSOCIATE OF ARTS

Major Requirements ..... **28 hours**
OAD 101, 152, 201, 240, 253, 254, 260, 280, 290; OAD 349, 360, or business elective.
Supporting Requirements ..... **36-38 hours**
ACC 201, ACC 202 or 250, CBO 100*, CIS 212*, ECO 230*, 231*, six hours of English composition*; GBU 204, SPE 200, three hours general education humanities*, three hours general education natural science* or MAT 100* or 107*; four hours restricted electives outside major field of study*.
Total Curriculum Requirements ..... **64-66 hours**

Executive Office Systems

ASSOCIATE OF ARTS

Major Requirements ..... **37 hours**
OAD 101, 115, 116, 152, 201, 202, 240, 253, 254, 260, 280, 290, and 303.
Supporting Requirements ..... **29 hours**
ACC 201, CBO 100*, CIS 212*. ECO 120* or 130*, six hours of English composition*, SPE 200*, three hours general education humanities*, three hours general education natural science* or MAT 100* or 107*; four hours restricted electives outside major field of study*.
Total Curriculum Requirements ..... **66 hours**

Students who have adequate background in shorthand to enter OAD 116 instead of OAD 115 may do so; they will complete an approved elective instead of OAD 115.

Legal Office Systems

ASSOCIATE OF ARTS

Major Requirements ..... **31 hours**
OAD 115, 116, 152, 201, 202, 240, 253, 260, 290, 303, and 349.
Supporting Requirements ..... **35 hours**
ACC 201, CBO 100*, CIS 212*, ECO 120* or 130*, LAS 101, 210, SPE 200*, six hours of English composition*, three hours of general education humanities*, three hours of general education natural science* or MAT 100* or 107*; four hours restricted electives outside major field of study*.
Total Curriculum Requirements ..... **66 hours**

Students who have adequate background in shorthand to enter OAD 116 instead of OAD 115 may do so; they will complete an approved elective instead of OAD 115.

Medical Office Systems

ASSOCIATE OF ARTS

Major Requirements ..... **22 hours**
OAD 152, 201, 240, 253, 254, 260, 290, and 303.
Supporting Requirements ..... **41 hours**
ACC 201, AHN 200, BIO 171*, CBO 100*, CIS 212*, ECO 120* or 130*, MAS 100, 233, SPE 200*, six hours of English composition*, three hours of general education humanities*, three hours business elective, four hours restricted electives outside major field of study*.
Free Electives ..... **1 hour**
Total Curriculum Requirements ..... **64 hours**

Course Descriptions

OAD—Office Administration

101 Introduction to Business. (3) I, II. A survey of the functional areas of business administration. For the student who has no background in business.

105 Keyboarding for Computers. (1) I, II. Development of keyboard manipulation skills for data entry on computers. Touch techniques stressed for alpha-numerical keyboard control. Four hours in class each week for five weeks. OAD 105 is not a substitute for OAD 151.

115 Beginning Shorthand. (3)I, II. Prerequisite: OAD 151. Principles of shorthand; dictation and transcription. Four hours in class each week.

116 Intermediate Shorthand. (3) I, II. Prerequisites: OAD 115 and 152. A continuation of OAD 115, with increased emphasis on dictation and transcription, including the production of mailable business correspondence. Four hours in class each week.

151 Beginning Typewriting. (2) I, II. Techniques in keyboard control; skill building practice; personal and business letters; tables, term papers.

152 Intermediate Typewriting. (2) I, II. Prerequisite: OAD 151. Continued emphasis on speed and accuracy building; increased emphasis on business forms, letters, manuscripts, reports, and tables.

201 Business Communication. (3) I, II. Formerly OAD 301. Prerequisite: ENG 101 and 102 or 105. Principles and practices of modern business communication; various types of business letters and reports are studied; emphasis on writing letters and reports. Gen. Ed. 03.

202 Dictation and Transcription. (3) I, II. Prerequisites: OAD 116 and 152. Continuation of shorthand vocabulary development; improvement of ability to take dictation and transcribe mailable copy; emphasis on development of skill necessary to meet occupational standards. Four hours in class each week.

210 Legal Terminology, Dictation, and Transcription. (3) I. Prerequisites: OAD 116 and 152. Instruction in legal terminology and application of the terminology in shorthand dictation and transcription.

240 Records Management. (3) I, II. Creation, classification, retention, protection, and disposal of records; filing systems, procedures, and equipment; effects of technology on information management; facilities layout; records personnel administration; records control.

253 Advanced Typewriting. (2) I, II. Prerequisite: OAD 152. Increased emphasis on realistic office typewriting applications requiring planning and decision making.

254 Business and Office Calculations. (3) I, II. Development of competency in business computations such as bank and sales records, discounts, commissions, markups, credit charges, payroll, taxes, depreciation, insurance, stocks, bonds, interest, and present value.

260 Office Services. (3) I, II. Prerequisite: OAD 152. Development of proficiency in the office services of machine transcription, filing, and reprographics.

280 Office Procedures and Administration. (3) I, II. Procedures, technologies, human relations, and services of modern, dynamic offices.

290 Introduction to Word Processing. (3) I, II. Prerequisite: OAD 152. Information-processing concepts, terminology, and equipment; applications in proofreading and communication skills as they relate to information processing.

300 Business Report Writing. (3) I, II. Formerly OAD 400. Prerequisite: ENG 101 and 102 or 105. Basic instruction in formal research reports; principles and practices of report writing; planning and outlining reports; methods of securing, organizing, analyzing, and interpreting data.

303 Integrated Office Operations. (3) I, II. Prerequisite: OAD 152. Provides opportunities for students to study, understand, and experience a wide range of activities appropriate for modern office operations. Refinement and application of skills and knowledge for effective and efficient operation of office systems.

320 Legal Office Practice. (3) II. Prerequisites: OAD 202, 210, 253, 303, GBU 204. Development of competencies needed by secretaries in legal offices.

330 Medical Office Practice. (3) A. Prerequisites: BIO 171; OAD 202, 253, 303, AHN 200. Development of competencies needed by secretaries in medical offices.

349 Cooperative Study in Office Administration. (1-3) A. Prerequisites: gpa of 2.25; sophomore classification for associate degree; junior classification for baccalaureate degree. Supervised co-curricular work experience. Training Plan required. Minimum 80 hours work required for each academic credit. May be retaken to a maximum of six hours.

360 Office Internship. (2-4) A. Prerequisite: gpa of 2.25, OAD 253, and departmental approval. Experiences in office appropriate for the student's major. Enrollment is limited to students majoring in the Department of Business Education and Office Administration.

560 Office Management. (3) I, II. Function and organization of offices; office layout and equipment; personnel; work simplification and control; technology in the office; planning, organizing, and controlling office services; systems and jobs analysis.

580 Special Problems in Office Administration. (1-4) A. May be retaken under different subtopics to a cumulative maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

760 Office Management. (3) I, II.
780 Special Problems in Office Administration. (1-4) A.
850 Business Research and Communication. (3) I, II.
880 Independent Study in Office Administration. (1-4) A.

DEPARTMENT OF

ECONOMICS

D. Shadoan, Chair; Baldwin, Dickey, Engle, Karns, Morrow, Sharp, Vaughan, Watkins, Webster, Wright, Wuilleumier.

The curriculum in economics is designed to increase the student's understanding of economic principles and to prepare the student for employment in the fields of business, banking, and government. Also, the program is designed to give the student an adequate background for graduate study.

A student may major in economics while pursuing the following degrees: (1) Bachelor of Arts degree in the College of Social and Behavioral Sciences; (2) Bachelor of Arts degree (Teaching); and (3) Bachelor of Business Administration degree in the College of Business. A minor in economics is available to students pursuing a: (1) Bachelor of Arts degree in the College of Social and Behavioral Sciences or (2) Bachelor of Arts degree (Teaching).

At least 12 of the hours in the major must be earned at Eastern Kentucky University. Students pursuing the Bachelor of Business Administration degree must make a grade of "C," or higher, in all courses counted toward a major in economics.

Requirements for the various undergraduate programs are listed below.

Economics

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... **21 hours**
ECO 320, 350, 351, 530, and nine hours of approved upper division economic electives.

Business Core ..... **42 hours**
ACC 201; 202; ECO 220; 230; 231; and three hours selected from ECO 300, 324, 350, 351, 394, or 492; CIS 212; FIN 300; GBU 204; 480; MGT 300, 310; MKT 300; OAD 201; or 300. (Must take ECO 324 and includes ECO 530 in the major)

Business Electives ..... **3-6 hours**

Supporting Course Requirements ..... **3 hours**
MAT 107 or 211.

General Education Requirements ..... **52 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **4-7 hours**

Total Curriculum Requirements ..... **128 hours**

In cooperation with the Department of Economics, the College of Social and Behavioral Sciences offers the Bachelor of Arts in economics. Course offerings are listed in the Department of Economics, under the College of Business section of this Catalog. The degree requirements for the B.A. in economics are listed below.

Economics

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **30 hours**
ECO 230, 231, 320, 324, 350, 351, 530, and nine hours of upper division courses in economics.

Supporting Course Requirements ..... **18-36 hours**
These requirements will be determined by consultation between the Chair of the Department of Economics and the Dean of the College of Social and Behavioral Sciences.

General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **7-25 hours**

Total Curriculum Requirements ..... **128 hours**

MINOR, ECONOMICS

A minor in economics requires completion of the following courses: ECO 230, 231, 324, 350, 351, and three hours of upper division courses in economics ..... 18 hours

Economics (Teaching)

MAJOR (BACHELOR OF ARTS)

In cooperation with the Department of Economics, the College of Social and Behavioral Sciences offers the Bachelor of Arts in economics (teaching). This major must be taken in conjunction with an approved major or minor.

The supporting major or minor must be approved by the Dean of the College of Social and Behavioral Sciences, the Department of Economics, and the Department of Curriculum and Instruction.

Major Requirements ..... **30 hours**
ECO 230, 231, 320, 324, 350, 351, 530, and nine hours of upper division courses in economics.

Supporting Course Requirements ..... **21-30 hours**
A major or minor approved by the Dean of the College of Social and Behavioral Sciences and the Chair of the Department of Economics.

Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 449, 498, 499.

General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... **134-143 hours**

MINOR, ECONOMICS (TEACHING)

A minor in economics (teaching) requires completion of the following courses: ECO 230, 231, 324, plus 12 additional hours selected from the following: ECO 304, 333, 350, 351, 360, 432, 492. Other additional upper division courses may be approved by the department. The minor must be taken in conjunction with an approved teaching major.

Course Descriptions

ECO—Economics

120 Economics In a World Setting; Principles. (3) I, II. A general education economics course dealing with economic principles and theories in a world setting. Emphasis on understanding the role of the economic environment. Does not count toward the economics major. Gen. Ed. 09.

130 Contemporary Economic Problems. (3) I, II. A general education economics course dealing with such contemporary economic problems as scarcity, urban crises, population, unemployment and inflation, government spending, energy, and others. Does not count toward the economics major. Gen. Ed. 12.

220 Business Statistical Methods. (3) I, II. Prerequisite: MAT 107. Business and economic applications of frequency distributions, measures of location, variation, probability, sampling, estimation, test of hypothesis, linear regression, index numbers, and time series analysis. Credit will not be awarded for both ECO 220 and STA 208, 209, 210, 270, COR 400, HEA 450.

230 Principles of Economics I. (3) I, II. Microeconomics principles and their application to the firm. Concepts of demand, supply, pricing, and resource allocation under various competitive conditions. Gen. Ed. 09 if ECO 231 is taken.

231 Principles of Economics II. (3) I, II. Macroeconomics principles, such as national income, production, employment, the money and banking system, the modern theory of national income, economic growth, inflation, and the problems of economic stabilization. Gen Ed. 12 if ECO 230 is taken.

300 Managerial Economics. (3) I, II. Prerequisite. ECO 230. Economic concepts that are directly applicable to business decision making including cost and production, profits, demand and pricing, capital budgeting and investment, and forecasting.

304 Private Enterprise and Public Policy. (3) A. Prerequisites: ECO 230 and 231. Development of the historical relationships between private enterprise and society. Discussion and application of major theoretical tools available to analyze issues of business and society.

320 Business Statistical Methods II. (3) II. Prerequisite: ECO 220. Business and economic applications of sampling, probability, time series analysis, index numbers, simple linear regression, correlation, the chi-square, analysis of variance, multiple regression and correlation, and non-parametric statistics. Credit will not be awarded for both ECO 320 and STA 271.

324 Money and Banking. (3) I, II. Prerequisite: ECO 231. Functions of money, monetary systems, history of banking, functions of the commercial bank, bank assets and reserves, loans and discounts, bank supervision, the federal reserve system, central banking policies, monetary and fiscal policies.

333 Economics of Labor. (3) A. Prerequisites: ECO 230 and 231. History of the labor movement, union structure and government, collective bargaining, labor markets, governmental regulations and controls, current issues in labor relations.

349 **Cooperative Study in Economics. (1-3) A.** Prerequisite: minimum gpa 2.25. Co-curricular work experience under faculty and field supervisors—Training Plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit hour. May not count towards major.

350 Intermediate Macroeconomics Theory. (3) I. Prerequisite: ECO 231. Macroeconomic concepts at the intermediate level. National income, consumption, investment, inflation, monetary and fiscal theories, economic stabilization, Classical, Keynesian and modern theories.

351 Intermediate Microeconomics Theory. (3) II. Prerequisite: ECO 230. Microeconomic principles at the intermediate level. Demand, supply, pricing, resource allocation, competitive conditions, factor pricing, application of economic principles to social and business problems.

360 **Consumer Economic Problems. (3) A.** Analysis of consumer problems including the classical concepts of consumer sovereignty, analysis of consumer demand, the economic analysis of consumer expenditures, important aspects of consumer education and protection.

394 International Economics. (3) I. Prerequisites: ECO 230 and 231. An introduction to international trade and investment theory emphasizing international business, international trade theory, trade and investment patterns, payments system, balance of payments, international companies, and international issues.

432 Alternate Economics Systems. (3) A. Prerequisite: ECO 231. Capitalism, utopian forerunners, the Marxian theory of socialism and communism, modern socialism and communism. British socialism, the economy of the Soviet Union, Fascism, the consumer cooperative movement.

492 Business Cycles. (3) II. Prerequisite: ECO 231. Growth, instability, inflation, business cycle theories, spending and saving decisions, government expenditures and tax patterns, prices, output, and employment, historical cyclical patterns, economic forecasting.

520 Economic Thought and Philosophy. (3) II. Prerequisites: ECO 230 and 231. The evolution of economic ideas from the Mercantilist period until present. Relation of the various schools of economic thought to the development of market system philosophy.

530 Quantitative Methods in Accounting, Business and Economics. (3) I, II. Prerequisite: ECO 220 or instructor approval. Probability, decision making, linear programming, game theory, inventory models, queuing models, transportation problems, simulation techniques. Credit will not be awarded for both ECO 530 and CIS 390 or MGT 340.

560 Special Problems in Economics. (3) A. Prerequisite: advisor/departmental approval. Independent work, special workshop, special topics or seminar. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

570 Health Care Economics. (3) A. Prerequisite: ECO 230. Introduction to health economics, prices and profit in medical care, demand, production and cost in the health care sector, health care planning, investment, and financing.

580 Natural Resource and Environmental Economics. (3) II. Prerequisite. ECO 230 or departmental approval. Economics tools used in the allocation of natural resources including: policy proposal criteria, resource allocation, conservation, the state's role, benefit-cost analysis, and environmental impact assessment.

595 The Economics of Growth and Development. (3). A. Prerequisites: ECO 230 and 231. The measurement of underdevelopment, the international distribution of income, the causes of economic growth, public policy for the promotion of economic growth, theories and development.

GRADUATE COURSES

720 Economic Thought and Philosophy. (3) II.
730 Quantitative Methods in Accounting, Business and Economics. (3) I, II.
760 Special Problems in Economics. (3) A.
770 Health Care Economics. (3) A.
780 Natural Resource and Environmental Economics. (3) II.
795 The Economics of Growth and Development. (3) II.
807 Economics_____. (1-3) A.
820 Contemporary Economic Problems. (3) A.
822 Survey of Economics. (3) I.
824 Survey in Statistical Methods in Business and Economics. (3) I.
850 Managerial Economics. (3) II.
854 Advanced Statistical Applications. (3) A.
860 Independent Study in Economics. (1-6) A.

DEPARTMENT OF
FINANCE AND BUSINESS SYSTEMS

B. K. Blaylock, Chair; Alford, Anderson, Bodley, Brewer, Carr, Gakpo, C. Lin, E. Lin, Medury, Reavis, Robinson, Vijayaraman.

The Department of Finance and Business Systems offers courses in computer information systems, finance, insurance, and real estate leading to the Bachelor of Business Administration degree.

The Department of Finance and Business Systems participates in the Master of Business Administration program. A detailed description of this program is presented in the Graduate Catalog.

COMPUTER INFORMATION SYSTEMS

Courses for the Bachelor of Business Administration in computer information systems focus on the information requirements of decision makers in all areas of business. The curriculum includes programming languages, in depth analysis of business problems, decision tools and techniques, information flow analysis, systems design, and database management.

The computer information systems (CIS) major consists of 21

hours of CIS courses above the business core. All work for the major must be completed with a grade of "C" or higher, 15 hours must be upper-level courses, and at least 12 of the hours in the major must be earned at Eastern Kentucky University.

COMPUTER INFORMATION SYSTEMS MINOR

There is a minor in computer information systems for students in colleges other than the College of Business. The minor consists of 21 hours of CIS courses including CIS 250, 380, and 435.

Computer Information Systems

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... **21 hours**
CIS 250, 355, 380, 435, 480, and six hours CIS electives above core.

Business Core ..... **45 hours**
ACC 201, 202, ECO 220, 230, 231, and three hours selected from ECO 300, 324, 350, 351, 394 or 492; CIS 212, FIN 300, GBU 204, 480, MGT 300, 310, MKT 300, OAD 201 or 300. (Must include CIS 390)

Business Electives ..... **3 hours**

Supporting Course Requirements ..... **3 hours**
MAT 107 or 211.

General Education Requirements ..... **52 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **4 hours**

Total Curriculum Requirements ..... **128 hours**

Course Descriptions

CIS—Computer Information Systems

212 Introduction to Computer Information Systems. (3) I, II. Introduction to computer hardware, software, and systems; management information systems and the role of the computer in business; spreadsheet, wordprocessing, database, and programming concepts. Gen. Ed. 03.

230 Business Applications of Microcomputers. (3) I, II. The application of microcomputers to business: record keeping, planning, scheduling, inventory control, financial analysis, and other business analyses for managerial decision making.

250 COBOL Programming. (3) I, II. Prerequisite: CIS 212. Introduction to COBOL. Applications of COBOL in day-to-day business operations with emphasis on structured programming approach.

260 RPG Programming. (3) I, II. Formerly CIS 310. Prerequisite: CIS 212. Applications of RPG language in day-to-day business operations. Major topics include control levels, changing tables, program logic, file management, disk processing, and advanced topics.

303 Computerized Health Information Systems. (3) I. Prerequisite: CIS 212, MRS 312, or instructor approval. An overview of health information systems. Computerized health care terminology, system development, and medical record processing procedures. No credit toward CIS major requirements.

320 Assembly Languages. (3) I. Prerequisite: CIS 212 or departmental chair approval. Instruction codes, input-output, macros, machine representations of characters, control, arithmetic and logic operation, subroutines, indexing and indirect addressing, assembly systems and current advances in computer organization.

345 PL-1 Programming. (3) I. Formerly EDP 345. Prerequisite: CIS 212 or departmental chair approval. Introduction to the PL-1 language and its relationship to FORTRAN, COBOL, and ALGOL. Credit will not be awarded for both CIS 345 and CSC 185.

349 Cooperative Study in Computer Information Systems. (1-3) A. Prerequisite: gpa 2.25 and BBA major, only. Co-curricular work experience under the direction of faculty and field supervisors. Training Plan required. Normally limited to a maximum of six hours. Minimum 80 hours experience per credit hour. May not count toward major.

355 Advanced COBOL. (3) I, II. Prerequisite: CIS 250. Theory of data handling; file management; sorting and merging, job-control language, advanced business applications.

360 Computer Information Systems Internship. (2-4) A. Prerequisite: gpa of 2.25 and advisor/departmental chair approval. Practical experience in computer information systems.

370 Seminar in Computer Information Systems. (1-3) A. Prerequisite: instructor approval. Selected topics of special and contemporary interest to business students. May be retaken under different subtitles to a maximum of six hours.

380 Systems Development. (3) I, II. Formerly CIS 475. Prerequisite: CIS 250. Overview of the information systems development life cycle; use of structured tools/techniques for systems development with the emphasis on systems analysis and conceptual design; information and reporting activities; transition from conceptual design to physical design.

390 Quantitative Business Applications. (3) I, II. Prerequisite: ECO 220. Decision-making under uncertainty, PERT, optimization inventory control models, linear programming, transportation models, dynamic programming, queuing models, and simulation. Credit will not be awarded for both CIS 390 and ECO 530 or MGT 340.

435 Database Management Systems. (3) I, II. Prerequisites: six hours CIS including CIS 250. Basic concepts of database, file organization, data structure, multiple key database processing, database and relational database model, commercial databases, analysis and design, security and integrity.

436 Database Management Systems II. (3) II. Prerequisite: CIS 435. An in-depth investigation of data modeling, system development, and data administration in a data base environment. A comparative study of commercial data base management systems is included.

460 Systems Simulation. (3) II. Prerequisite: CIS 250 or instructor approval. Development, application, and evaluation of systems simulation models; the use of simulation models; the use of simulation languages in conjunction with digital computer.

476 Decision Support Systems. (3) II. Prerequisite: CIS 380. A study of Decision Support systems (DSS), their design, development, implementation, and contribution to management planning, decision-making, and control.

480 Information Systems Design and Implementation. (3) I, II. Prerequisites: CIS 380 and 435. Strategies and techniques of structured analysis and design of information systems; application of computer programming and system development concepts and principles to a comprehensive system development project: analysis, design, and implementation.

490 Special Problems in Computer Information Systems. (1-4) A. Formerly CIS 590. Prerequisite: advisor/departmental approval. Independent study in Information Systems. May be retaken under different subtopics to a maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

850 Computer Information Systems. (3) II.

860 Contemporary Topics in Information Systems Seminar. (3) A.

890 Independent Study in Computer Information Systems. (1-4) A.

FINANCE

Finance may be viewed as containing three specialized fields: corporate finance, investment finance, and financial institutions. The Bachelor of Business Administration degree in Finance is designed to give students broad knowledge in all three areas of finance and in-depth knowledge in one of the areas.

Graduates are equipped with the qualifications necessary to enter a finance career in corporations, banks, investment firms, government agencies, savings and loan associations, franchise operations, and other organizations.

Each finance option consists of 18 hours above the business core. The student will choose one of the three options and must complete all courses offered within that option with a grade of "C" or higher. At least 12 hours in the option must be earned at Eastern Kentucky University.

Finance

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... **18 hours**
Options
Corporate Finance
FIN 304, 324, 400, 403, 404, and three hours upper division FIN elective above core.
Financial Institutions
FIN 304, 308, 324, 414, 460, and three hours upper division FIN elective above core.
Investment Finance
FIN 304, 324, 400, 420, 421, and three hours upper division FIN elective above core.

Business Core ..... **45 hours**
ACC 201, 202, ECO 220, 230, 231, and three hours selected from ECO 300, 324, 350, 351, 394 or 492; CIS 212, FIN 300, GBU 204, 480, MGT 300, MGT 310, MKT 300, OAD 201 or 300. (Must include CIS 390)

Business Electives ..... **3 hours**

Supporting Courses ..... **9 hours**
Corporate Finance
MAT 107 or 211, ACC 300, and INS 370.
Financial Institutions
MAT 107 or 211, INS 370, and RST 340.
Investment Finance
MAT 107 or 211, ECO 320, and INS 370.

General Education Requirements ..... **52 hours**
Standard General Education Program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **1 hour**

Total Curriculum Requirements ..... **128 hours**

Course Descriptions

FIN—Finance

201 Personal Money Management. (3) I, II. A consumer approach to insurance, family budgeting, income taxes, elementary investment principles, and estate planning. Does not count toward the major in finance or general business.

300 Business Finance. (3) I, II. Prerequisites. ECO 220 and ACC 202. Financial principles and functions with applications to business organizations, including time-value of money, investment, dividend decision, capital structure; models and tools used for financial analysis.

304 Financial Institutions. (3) II. Prerequisite: FIN 300. Sources and uses of funds; savings and loan institutions, insurance companies, pension funds, trusts, and other financial intermediaries; impact of financial institutions on the economy.

308 Commercial Banking. (3) I. Prerequisite: FIN 304. Problems of commercial banking discussed from the point of view of bank management: size of asset reserves, credit analysis, investment policies, equity reserves, and capital account.

324 Investments. (3) I. Prerequisite: FIN 300. Characteristics of bonds, stocks, securities market, investment banking. Sources of investment information; interpreting financial news; taxation of securities; investors of limited means; analysis of securities.

349 Cooperative Study in Finance. (1-3) A. Prerequisites: gpa minimum 2.25 and BBA major, only. Co-curricular work experience under the direction of faculty and field supervisors. Training Plan required. May be retaken to a maximum six hours. Minimum 80 hours experience per credit hour. May not count toward major.

400 Intermediate Finance. (3) II. Prerequisite: FIN 300. Working capital management; capital asset pricing model and its application to capital budgeting; valuation of the firm and cost of capital; long term financing to include leasing, mergers, and liquidations; international financial management.

403 Working Capital Management and Capital Budgeting. (3) I. Prerequisite: FIN 400. In depth theory and decision tools for working capital management and capital budgeting. Topics include cash management, negotiating lines of credit, accounts receivable management, cost of capital, capital budget proposal presentation, and long term financing.

404 Advanced Financial Management. (3) II. Prerequisite: FIN 400. An in-depth examination of the financial management of the firm. Cases on the financing decision, the investment decision, and the dividend decision within the context of the capital asset pricing model.

414 Advanced Financial Institutions Management. (3) II. Prerequisite: FIN 304. An extension of FIN 304, but in more detail concerning the role of financial institutions in the economy. Major topics include money markets, financial institutions management, asset analysis and investment and loan policies.

420 Modern Portfolio Theory. (3) II. Prerequisite: FIN 324. The application of modern portfolio theory to portfolio selection, analysis, and revision. Topics include: Markowitz portfolio theory, capital asset pricing model, and index models. Uses both calculus and computer analysis.

421 Investment Valuation. (3) I. Prerequisite: FIN 300. The development of analysis techniques to evaluate publicly held stock or bond issues.

425 Speculative Investments. (3) II. Prerequisite: FIN 324 or instructor approval. The function and analysis of options, and commodity markets. Major topics include analysis of puts, calls and warrant options; and commodity markets, their functions and place in the investment portfolio.

430 Accounting and Financial Practices in Regulated Industries. (3) I. Cross listed as ACC 430. Prerequisite: FIN 300. Analysis of regulatory accounting and financial practices of regulated industries. Emphasis on requirements imposed by regulatory agencies including the SEC, ICC, FPC, and CAB.

450 Seminar in Finance. (1-3) A. Prerequisite: instructor approval. Selected topic of special and contemporary interest to business students. May be retaken under different subtitles to a maximum of six hours.

460 Public Finance and Taxation. (3) II. Prerequisite: FIN 300. Objectives of governmental financing and spending; budgetary processes; economic impact and fiscal theory; distribution of governmental burden; taxation; shifting and incidence of taxation.

490 Special Problems in Finance. (1-4) A. Prerequisite: advisor/departmental approval. May be retaken under different subtopics to a maximum of six hours. Independent work, special workshops, special topics, or seminars. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

820 Managerial Finance. (3) I.
850 Problems in Managerial Finance. (3) II.
851 Seminar in Investments. (3) I.
890 Independent Study in Finance. (1-4) A.

INSURANCE

The objective of the Bachelor of Business Administration degree in insurance is to provide students with a basic knowledge in all areas of insurance so that they can pursue a career in any of the broadly diversified opportunities available in this profession. The insurance industry includes opportunities in finance, accounting, data processing, actuarial science and statistics, marketing, management, engineering, and various other disciplines as well as the more specialized insurance functions of underwriting, ratemaking, and claims handling. In every case, however, the successful career path in insurance requires a working knowledge of all facets of insurance including life, health, property-liability insurance, employee benefits, and risk management.

The insurance courses are designed to be useful for all students, regardless of their primary field of study. These courses are also designed to help the student become a more knowledgeable and sophisticated insurance consumer. INS 370 or 372 can be used to meet the state 40-hour education requirement prior to taking the Kentucky General Lines Agents Licensing Examination. INS 374 meets the same requirements for the Kentucky Life-Health Agent Examination.

The insurance major consists of a minimum of 15 credit hours of insurance. The insurance major is required to take INS 370 prior to taking any other insurance course. All courses submitted toward the major must be completed with a grade of "C" or higher. At least 12 of the hours in the major must be earned at Eastern Kentucky University.

Insurance

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... **18 hours**
INS 370, 372, 374, and nine additional hours at the 300 level or above. The nine additional hours may include INS 376, 378, 380, 400, 474, 490, or a maximum of three hours of 300-400 level FIN or RST.
Business Electives ..... **6 hours**
Business Core ..... **45 hours**
ACC 201, 202, ECO 220, 230, 231, and three hours selected from ECO 300, 324, 350, 351, 394 or 492; CIS 212, FIN 300, GBU 204, 480, MGT 300, MGT 310, MKT 300, OAD 201 or 300. (Must include CIS 390)
Supporting Course Requirements ..... **3 hours**
MAT 107 or 211.
General Education Requirements ..... **52 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... 4 **hours**
Total Curriculum Requirements ..... **128 hours**

Course Descriptions

INS—Insurance

349 Cooperative Study in Insurance. (1-3) A. Prerequisites: gpa 2.25 and BBA majors, only. Co-curricular work experience under the direction of faculty and field supervisors. Training Plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required per credit hour. May not count toward major.

370 Principles of Risk and Insurance. (3) I, II. Theory and practice of insurance and its economic and social significance; basic life, health, and property-liability insurance for businesses and families; review of the major lines of insurance.

372 Fundamentals of Property-Liability Insurance. (3) A. Prerequisite: INS 370 or instructor approval. Planning and evaluating individual and business firm property-liability insurance; analysis of insurance coverage against pure risk related to property-liability insurance exposures.

374 Fundamentals of Life and Health Insurance. (3) A. Prerequisite: INS 370 or instructor approval. Analysis of life insurance and annuity products available in the individual market. Includes a discussion of systems for determining the individual's life insurance needs.

376 Employee Benefit Planning. (3) A. Prerequisite: INS 370 or instructor approval. Employee benefit plans including taxation, costs, and choices of funding. Includes an analysis of the role of employee benefit plans in meeting the risks of death, illness, and old age.

378 Business Risk Management. (3) A. Prerequisite: INS 372 or instructor approval. Risk management as used by the business firm; basic functions of risk management; risk management decision-making as a corporate buyer of insurance.

380 Social Insurance. (3) A. Prerequisite: INS 370 or instructor approval. Examination of financial insecurity caused by occupational injuries, unemployment, old age, and general illness. Emphasized social security, and other government programs which are designed to alleviate these social problems.

400 Seminar in Insurance. (1-3) A. Prerequisite: instructor approval. Selected topics of special and contemporary interest to business students. May be retaken under different subtitles to a maximum of six hours.

474 Life Insurance and Estate Planning. (3) A. Prerequisite: INS 374 or instructor approval. Role of life and health insurance in family estate planning; considerations of developing an estate plan for the individual or the family.

490 Special Problems in Insurance. (1-3) A. Prerequisite: advisor/departmental chair approval. May be retaken under different subtopics to a maximum of six hours. Independent work, special workshops, special topics, or seminars. Student must have the independent study course proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

876 Employee Benefit Planning. (3) A.
878 Business Risk Management. (3) A.
890 Independent Study in Insurance. (1-4) A.

REAL ESTATE

The real estate curriculum is planned to provide the academic background in real estate which is required today by the complexities inherent in an era of population, environmental, economic, and governmental pressures. The Bachelor of Business Administration degree in real estate is designed for those who wish to concentrate in one of the real estate specialties such as brokerage, marketing, appraisal, finance, research, property management, or development.

The real estate major consists of 21 hours above the business core. At least 12 hours of the major must be earned at Eastern Kentucky University. Transfer hours are subject to approval by the Chairholder of Real Estate.

Real Estate

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... **21 hours**
RST 310, 320, 325, 330, 340, 400 or 410, plus three hours RST electives to be determined in coordination with advisor.
Business Core ..... **45 hours**
ACC 201, 202, ECO 220, 230, 231, and three hours selected from ECO 300, 324, 350, 351, 394, or 492; CIS 212, FIN 300, GBU 204, 480, MGT 300, MGT 310, MKT 300, OAD 201 or 300. (Must include CIS 390 and ECO 324)
Business Electives ..... **3 hours**
Suggested electives include ACC 300, 322, ECO 360, MKT 320, or PLA 220.
Supporting Course Requirements ..... **6 hours**
MAT 107 or 211 and INS 370.
General Education Requirements ..... **52 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **1 hour**
Total Curriculum Requirements ..... **128 hours**

Course Descriptions

RST—Real Estate

110 Fundamentals of Real Estate for the Consumer. (3) I. Introduction to the elements of real property ownership, law, and leasehold interests. Qualifies as part of the education requirement for a sales license (KRS 324, 046) in the Commonwealth of Kentucky.

130 Financing Real Estate for the Consumer. (3) II. Methods of financing the personal acquisition of real property: conventional mortgages, FHA and VA loans, and contemporary creative financing methods. Investment and shelter techniques in the purchase of investment property. Qualifies as part of the education requirement for sales license (KRS 324, 046) in Commonwealth of Kentucky.

310 Real Estate Principles. (3) I, II. Procedures involved in ownership and transfer of real property; laws governing real estate transactions.

320 Real Estate Law. (3) I, II. Businessperson's point view of real estate instruments, property rights and liabilities, estates, and interest and liens.

325 Computer Applications in Real Estate. (3) I. Prerequisites: RST 310 or 320 and junior standing. Computer applications in the real estate business. Construction and use of spreadsheet and data base programs in the analysis of real estate finance and feasibility studies.

330 Real Estate Finance. (3) I, II. Prerequisites: RST 310, FIN 300, or instructor approval. Sources of funds for financing real estate transactions; financial instruments that are used and problems encountered in financing real property.

340 Appraisal of Residential Property. (3) I, II. Prerequisite: RST 310. Fundamentals of appraising real property; approaches to determining value; factors that contribute to the cost of real estate.

345 Real Estate Appraisal of Income Property. (3) A. Prerequisites: ECO 220, RST 330, and RST 340. Advanced real estate property appraisal concentrating on income property appraisal and advanced valuation techniques.

349 Cooperative Study in Real Estate. (1-3) A. Prerequisites: junior, minimum 2.25 gpa, and BBA majors, only. Co-curricular work experience under the direction of faculty and field supervisors. Training plan required. May be retaken to a maximum of six hours. Minimum 80 hours experience per credit hour. May not count toward major.

350 Real Estate Marketing. (3) I. Prerequisite: RST 310 or instructor approval. Factors in marketing residential, business, industrial, and farm property, such as listing, prospecting, advertising, showing, determining the need of the client, qualifying clients, and closing the sale.

351 Real Estate Research and Feasibility Analysis. (3) II. Prerequisite: ECO 220. Analysis of target markets, media demography, advanced real estate advertising techniques, and marketing feasibility studies. Housing formats include single family, planned unit development, mixed development, condominiums, and rental residential developments.

355 Real Estate Property Management. (3) A. Prerequisite: RST 351. Administration, marketing, and evaluation of residential and commercial income properties; interaction with development and construction firms.

370 Urban Land Use and Analysis. (3) A. Prerequisite: RST 351 and ECO 231 or instructor approval. Basic principles and practices of urban land use and the analysis of economic principles of urban land utilization.

400 Real Estate Administration. (3) II. Prerequisites: senior standing plus 15 hours RST. Establishment and operation of administrative functions in the real estate office: staff recruitment, training and evaluation; establishment of policies and practices; professional ethics; State and Federal legal requirements.

410 Real Estate Investments. (3) I. Prerequisites: senior standing plus 15 hours RST including RST 351. Real estate investments; organization and operation of trusts; syndications; partnerships and corporations in real estate investments; selection of investment portfolios.

450 Seminar in Real Estate. (1-3) A. Selected topics of special and contemporary interest to business students. May be retaken under different subtitles to a maximum of six hours.

490 Special Problems in Real Estate. (1-3) A. Prerequisite: advisor/departmental approval. May be retaken under different subtopics to a maximum of six hours. Independent work, special workshop, special topics, or seminars. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

860 The Real Estate Process. (3) A.

890 Special Problems in Contemporary Real Estate. (3) A.

"CATCH" NEW
TALENTS

COLLEGE OF EDUCATION

DIXON A. BARR, Dean; J. LINWARD DOAK, Associate Dean

CONTENTS

Teacher Admission and Certification 129
Educational Research and Evaluation 130
Professional Laboratory Experiences 130
Laboratory School 131
Educational Administration 131
Educational Studies 131
Educational Psychology and Counseling 132
Early Elementary Education 133
Secondary and Higher Education 136
Special Education 137

Eastern Kentucky University has maintained a strong interest in and commitment to the preparation of teachers since its founding in 1906 and is dedicated to the preparation of teachers to function effectively in a culturally diverse society in order to meet the needs of all students. While teacher education at Eastern is viewed as an all-university function, the programs of early elementary, middle grades, special education, and communication disorders are located and advised in the College of Education. Secondary teaching programs are located in their respective colleges with students receiving academic advisement from the college of their major and professional teaching advisement in the College of Education.

ADMISSION TO THE COLLEGE OF EDUCATION

Students will be assigned an advisor by their departmental chair on admission to the College of Education and must enroll in Orientation EDO 100 during the first semester and Professional Laboratory EDF 102 during the freshman year.

It must be clearly understood that admission to the College of Education is *not* synonymous with admission to the teacher education program.

CURRICULUM REQUIREMENTS

Each student must make application for a planned curriculum at the time of completion of lower division requirements and admission to the College of Education. Those students who are in teaching programs will initiate their applications for a planned curriculum while enrolled in EDF 202/300. Students in non-teaching programs must apply for a planned curriculum in the office of the chair of their major department. Any change in the planned curriculum must be approved by the student's advisor, the department chair, and the Dean of the College of Education. It is the student's responsibility to register for the proper courses so that all requirements are satisfied at the time of expected graduation.

Students may plan their curricula from the following options:

1. an area of concentration, or
2. two majors, or
3. one major and two minors, or
4. one major and one minor when credit in both totals 48 semester hours (54 when English is included as the major), or
5. a single major of 30 hours in approved teaching or non-teaching fields.

TEACHER EDUCATION PROGRAMS

The curricula offered by the University has been planned and developed to meet the needs of students who desire to become teachers, principals, supervisors, superintendents, attendance officers in the public schools, guidance counselors, and speech-language pathologists. Curricula are offered for the preparation of elementary teachers (K-4) and middle grade teachers (5-8); for teachers of the special subjects of art, business, health, physical education, home economics, industrial arts, music, and special education; for teachers of technical and industrial subjects in vocational schools; and for the preparation of secondary school teachers in fields of biology, chemistry, earth science, economics, English, French, geography, German, history, mathematics, physics, political science, psychology, Russian, social science, sociology, Spanish, speech, and speech and drama.

Student Services Teacher Admission and Certification

Glynn N. Creamer, Director

This office is responsible for the admission of students to teacher education programs at Eastern. It receives and processes applications for teaching certificates and certificates for other school personnel (principals, supervisors, superintendents, counselors, pupil personnel directors, business administrators, and librarians).

Those students planning to follow a teaching program in the College of Education must meet the requirements for admission to the teacher education program. All students, regardless of the college in which they enroll, must apply for admission to teacher education if they expect to complete a teaching program and be approved for certification.

Those who plan to work toward a teaching certificate must enroll in EDF 102, Professional Laboratory, and in EDF 202, Professional Orientation. Enrollment in EDF 102 should be in the freshman year and in EDF 202 in the sophomore year. The application for the teacher education program will be processed as part of EDF 202. Transfer students who have had a similar introductory course prior to entering Eastern should enroll in EDF 300, Orientation to Teacher Education, in lieu of EDF 202. This must be done during the transfer student's initial semester at Eastern.

The Admissions Committee for Teacher Education will review the results of EDF 102/300 tests and application materials submitted during EDF 202/300 and take appropriate action concerning the student's admission to the teacher education program on the completion of 60 semester hours and based on the following criteria:

1. Complete 12 hours of on-campus residence credit at Eastern prior to admission to the teacher education program.

2. Attain a 2.25 grade point average (4.0 scale) in all college work at Eastern including a passing grade in EDF 102/300 and a minimum grade of "C" in EDF 202.

Note: Effective July 1, 1989, an overall grade point average of 2.5 will be required of all students for admission to the teacher education program.

3. Demonstrate proficiency in communication skills, including evidence of satisfactory speech and speaking effectiveness.

4. Present satisfactory recommendations from four Eastern fac-

ulty members, including the student's instructor in EDF 102, EDF 202/300, and the student's advisor.

5. Provide evidence of no physical or psychological impairments that would preclude teaching success.

6. Accumulate a satisfactory record of acceptable social behavior in the University community as well as the community at large.

7. Present satisfactory results on examinations taken in EDF 102/300 or other examinations as may be required by the Admission Committee. Students scoring below minimum requirements shall be required to improve their competencies to an acceptable level before admission to teacher education. This may include therapy and enrollment in credit or noncredit remediation courses and retesting to determine that minimum competencies are met.

If, after admission to the teacher education program, a student is placed on either academic or social probation, the application will be reconsidered.

Educational Research and Evaluation

Robert L. Byrne, Director

This office performs two major functions. First, it provides a central location for the collection and summary of statistical information relevant to quality control of the teacher education product. The Director coordinates the selection, administration, and analysis of measurement instruments utilized in the admission to the teacher education process and also those instruments appropriate for evaluating students during the professional semester. This office regularly conducts follow-up studies of graduates of the teacher education program. Second, it provides services to faculty and students for identifying research hypotheses, assistance in formulating the procedure, analysis of data, and dissemination of information.

Professional Laboratory Experiences

David L. Rush, Director

This office is responsible for the organization and administration of all professional laboratory experiences relating to the teacher education program of the University. This includes location and approval of teaching centers; assignment, supervision, and evaluation of students in a learning environment; and liaison with public schools in all matters related to practicum experiences of students in teacher education programs.

The Office of Professional Laboratory Experiences receives and evaluates all applicants for student teaching, determines appropriate disposition of the application and provides continuous assessment of the applicant's pre-teaching and teaching experiences during the professional semester.

This office recognizes that cultural diversity is a fact of American life and teachers function in a pluralistic cultural environment. Experience in multicultural settings provides valuable enrichment for the proper development of effective teachers. The Office of Professional Laboratory Experiences will provide assignments in accord with this philosophy.

ADMISSION TO STUDENT TEACHING

Students of senior standing may enroll in student teaching if they have satisfied the following requirements:

1. Admitted to the teacher education program.
2. Filed an application during the first four weeks of the semester prior to the term in which student teaching is desired. Any application filed is evaluated and processed for approval or disapproval. This appraisal will specifically examine:
   a. A valid medical examination, including a current tuberculosis test. Any significant deviation from normal physical and psychological well-being will be referred to a proper examining physician.
   b. Behavior that relates to the moral, ethical, social, and personal standards of professional competency. The student's comportment will be subject to review and appraisal by the department responsible for the student teaching recommendation and the College of Education.
   c. Each student applying must file a completed curriculum contract with the Dean, College of Education, prior to final approval for student teaching.
3. Completed a minimum of 12 semester hours of on-campus residence at Eastern prior to admission to student teaching.
4. Completed all prerequisites in professional education and prestudent teaching curricula in the applicant's area as prescribed by this Catalog.
5. Recommended by the student's advisor and approved by the department chair.
6. Standing of at least 2.5 grade point average based on hours attempted on the official Eastern transcript in the student's major/minor and overall program.
7. A grade of "C" or above in EDF 317 and EPY 318.
8. A grade of "C" or above in ESE/ELE 498.
9. A grade of "C" or above in all methods courses.
10. A grade of "C" or above in required special education courses for special education majors *and* SED 438.

DEGREE REQUIREMENTS

General University requirements described on page 31 in Part Three of this Catalog, as well as specific course requirements set forth in the description of curricula, must be met by students completing baccalaureate programs administered by the College of Education.

Students completing programs in the College of Education are eligible for the Bachelor of Science degree. General graduation requirements from the College of Education are as follows:

1. Submission of an application for graduation in the office of the Dean of the College of Education. December graduates must make application during the preceding April; May and August graduates must make application during the preceding October.
2. Completion of a minimum of 128 semester hours, 43 of which must be in upper division courses (300, 400 and 500 levels). A candidate for a degree must have been in residence a minimum of 36 weeks and must have earned a minimum of 32 hours while in residence. Thirty of the last 36 hours must be earned at Eastern.
3. Completion of all coursework on the student's planned curriculum.
4. Attainment of a minimum cumulative grade point average of 2.0 or higher. (Students in teaching curricula are reminded that a 2.5 grade point average is currently required in major(s), minor(s), and overall. Also required is successful completion of EDF 102/300, a grade of "C" or above in EDF 202, EDF 317, EPY 318, ELE/ESE 498, all methods courses, and required special education courses for special education majors.)
5. Satisfactory completion of competency examinations and the National Teachers Examination.

Secondary education majors (other than those in physical education, school health, special education, and communication disorders) will follow the prescribed curriculum and requirements of another academic college, as well as the policies for teacher education stated elsewhere in this Catalog. These students take certain professional education coursework in the College of Education, as well as in their academic college. The College of Education cooperates closely with the other colleges in matters pertaining

to the secondary major's admission to teacher education, as well as approval for, assignment to, and supervision of student teaching.

While specific requirements for each degree are found in the appropriate department presentation, the Academic Orientation course, EDO 100, is common to all programs.

EDO—Education Orientation

100 Academic Orientation. (1) I. Designed to orient the student to university academic life and afford background for career choice and preparation. Included are University regulations and calendar, catalog details, registration and pre-registration, various career opportunities, and program requirements. Not open to students with more than 30 semester hours.

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.

Model Laboratory School

S. Henderson, Director; B. Bonar, Assistant Director; Adkins, Alexander, Christian, Combs, Daniel, Daugherty, Graham, Hasty, Hayes, Henrickson, Hoffmann, Isaacs, Kearns, Kincer, Lane, Lichty, Martin, McCreary, McCullough, McMahon, Mills, Morrow, Papp, Powell, Reynolds, Roberts, Roy, Shuttleworth, Stephens, Storie, Strange, Terango, VanMiddlesworth, Vance, Walker, Wilder, Zuzula.

Model Laboratory School is operated as a department in the College of Education and fulfills several basic purposes: (1) to provide quality and innovative education for its students, N-12; (2) to provide preservice education for prospective teachers in the College; (3) to serve as an experimental testing ground for curriculum development and dissemination; (4) to provide a setting for research; (5) to provide inservice education for area school systems.

Organized into three sections (early childhood/elementary, middle school, high school), the school serves approximately 750 students and employs a full-time staff of 41 faculty. Model is located on the campus of Eastern Kentucky University in the Donovan Building which was occupied in 1961.

DEPARTMENT OF

ADMINISTRATION, COUNSELING AND EDUCATIONAL STUDIES

E. White, Chair; Beardsley, Clawson, Collins, Cooper, Doak, Gibson, Grise, Henderson, Hume, Lawrence, L. Lee, M. Lee, Marcum, McKenney, Mills, Rush, Sexton, Stull, Swezig, Wise.

The Department of Administration, Counseling, and Educational Studies offers graduate degrees in the areas of educational administration and counseling. It also offers graduate non-degree certification and Sixth Year Rank I programs in these areas. The area of educational studies provides undergraduate and graduate courses in the foundations of education to all degree programs. The area of counseling also provides undergraduate and graduate courses needed in other departments of the College of Education and other colleges of the University.

Educational Administration

P. Lawrence, Program Coordinator

Educational Adminstration offers a graduate program of specialization for those students who wish to become school superintendents, supervisors, elementary principals, secondary principals, and school business administrators. The Specialist in Education degree in educational administration and supervision is also available. For additional information regarding these programs contact the departmental chair or consult the Graduate Catalog.

Course Descriptions

EAD—Educational Administration

568 Administration and Organization of Physical Education. (2) I, II. Policies and procedures of administration on the elementary and secondary school level. Emphasis on construction and care of facilities, equipment and supervision of personnel.

EAD—Educational Administration
GRADUATE COURSES

768 Administration and Organization of Physical Education. (2) I, II.
800 Introduction to Educational Administration. (3) I, II.
801 School Personnel Administration. (3) A.
802 School Buildings and Grounds. (3) I.
803 School Finance. (3) II.
805 School Law. (3) I, II.
806 The Elementary School Principal. (3) I.
807 Educational Administration and Supervision. (1-3) A.
808 Administration and Supervision of Early Childhood Education Centers. (3) A.
809 The Secondary School Principal. (3) II.
811 Supervision of Instruction. (3) I, II.
821 Practicum in Administration and Supervision. (3) A.
825 The Role of the Supervisor in Physical Education. (3) A.
840 The Superintendency. (3) I.
891 Issues and Trends in Educational Administration and Supervision. (3) A.
897 Independent Study. (1-3) A.
898 Project Development. (3) A.
899 Specialist Project. (3) A.

Educational Studies

R. Grise, Program Coordinator

Educational Studies provides instruction in those professional subjects considered basic to the teacher education student's preparation regardless of the teaching specialty or intended level of school practice. Instruction is offered in a number of related foundational disciplines including human development, educational sociology, educational philosophy, history of education, comparative education, and multicultural education.

Course Descriptions

EDF—Educational Studies

102 Professional Laboratory. (1) I, II. Assessment of fitness for teaching through laboratory experiences with children in the classroom, seminars with college staff and classroom teachers, and screening tests. Required of students who enter the teacher education program. Grading is pass-fail.

200 The American Educational System. (2) A. Scope, nature and purpose of education in the United States and how schools are organized, financed, and conducted. Deals with basic questions which relate to pertinent educational issues.

202 Professional Orientation. (3) I, II. Prerequisite: sophomore standing. Acquaints students with the role of public education and nature of the teaching profession. Laboratory experiences required. Personal fitness for teaching examined. Application made for admission to teacher education program.

300 Orientation to Teacher Education. (1) I, II. Required of students who have had an introductory education course prior to transferring to Eastern. Includes screening tests, application for admission to the teacher education program, orientation, and fitness for teaching. Grading is pass-fail.

317 Human Development and Learning. (3) I, II. Prerequisite: biological or physical science course. Study of psychological, biological and environmental bases of behavior. Laboratory experiences required.

507 Problems in Educational Foundations. (1-3) A. Prerequisite: advisor/departmental chair approval. For independent work, special workshops, a special topic, or seminar.

526 Applying Research to Classroom Problems. (2) A. Study and interpretation of recent research for dealing with classroom situations and problems. Class encouraged to focus on situations and problems directly related to their own teaching.

GRADUATE COURSES

707 Problems in Educational Foundations. (1-3) A.
726 Applying Research to Classroom Problems. (2) A.
807 Educational Studies. (1-3) A.
815 Human Development. (3) I, II.
832 History of Education in the United States. (3) A.
835 Critical Thinking in the Education Process. (3) A.
836 Philosophy of Education. (3) I, II.
837 Comparative Education. (3) I.
850 Educational Sociology. (3) II.
855 Foundations of Multicultural Education. (3) II.
869 Research in Education. (3) I, II.
895 Advanced Research Methodology. (3) I.

Educational Psychology and Counseling

T. Beardsley, Program Coordinator

Educational Psychology and Counseling offers graduate programs with specializations for those students who wish to become school counselors, counselors in community and industrial settings, or student personnel workers in higher education. The following programs are offered:

Master of Arts in Education Degree
- Elementary School Counseling
- Secondary School Counseling

Master of Arts Degree
- Industrial and Community Services Counseling
- Student Personnel Services in Higher Education

Certification Programs
- Standard Pupil Personnel Certification
- Rank I (Sixth Year Non-degree Programs)

Specialist in Education Degree
- School Counseling
- Student Personnel Services in Higher Education

For additional information regarding these programs, contact the office of the department chair or consult the Graduate Catalog.

Course Descriptions

EPY—Educational Psychology

318 Learning Theories Applied to Teaching. (3) I, II. Examination of theories of learning and implications for adaptation in the school setting. Emphasis on the practical aspects of theories of learning through utilization of a variety of techniques and procedures. Laboratory experiences required.

320 Educational Psychology. (3) A. Prerequisite: one course in psychology or instructor approval. Theories and processes of learning, maturation, individual differences, personality, and statistical procedures.

412 Measurement and Evaluation in the Schools. (2) A. Principles and procedures in evaluating pupil growth in skills, attitudes, aptitudes, and understandings. Experience in test construction, analysis, item analysis, and marking systems.

504 Psychology of Individual Differences. (3) A. Prerequisite: undergraduate psychology course or instructor approval. Study and application of the facts of human variability, including differences in such areas as age, sex, class, intelligence, and achievement.

507 Problems in Educational Psychology and Guidance. (1-3) A. Prerequisite: advisor/instructor approval. Independent investigation of a research problem or directed readings, in a selected area or study chosen in consultation with the instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

555 Vocational Development and Adjustment. (3) A. Comprehensive coverage of the application of psychological principles to personnel selection, training, placement, and evaluation; motivation, interaction, and morale; and effective human relations in business, industry, and community agencies.

EPC—Counseling

513 Introduction to Counseling. (3) I, II. Sociological, psychological, philosophical and educational foundations of pupil personnel services; history and growth of the guidance movement; function, scope and organization of guidance.

540 Counseling Theory and Practice. (3) I, II. Major theories of counseling. Attention is given to personality structure and individual behavior from which these are derived.

GRADUATE COURSES

EPY—Educational Psychology

704 Psychology of Individual Differences. (3) A.
707 Problems in Educational Psychology and Guidance. (1-3) A.
755 Vocational Development and Adjustment. (3) A.
816 Tests and Measurements. (3) I, II.
823 Educational Implications of Learning Theories. (3) A.
826 Individual Appraisal of Intelligence I. (3) I.
827 Individual Appraisal of Intelligence II. (3) II.
842 Statistical Methods I. (3) I, II.
843 Statistical Methods II. (3) II.
852 Advanced Educational Psychology. (3) A.
854 Mental Health and Personal Adjustment. (3) A.
856 Practicum in Psychometry. (3) A.
898 Project Development. (3) A.
899 Specialist Project. (3) A.

EPC—Counseling

713 Introduction to Counseling. (3) I, II.
740 Counseling Theory and Practice. (3) I, II.
802 Counseling Psychology. (3) A.
803 Community Agencies and Services. (3) A.
807 Counseling. (1-3) A.
808 Administration of Pupil Personnel Services. (3) II.
814 Organization and Administration of Guidance Services. (3) I.
820 Group Processes. (3) I, II.
822 Occupational and Educational Information. (3) I, II.
825 Elementary School Guidance. (3) A.
844 Student Personnel Services in Higher Education. (3) I.
845 Internship in Student Personnel Services. (3) II.
846 Techniques of Counseling. (3) I, II.
880 Counseling Practicum. (3) A.
881 Advanced Counseling Practicum. (3) A.
891 Issues and Trends in Counseling. (3) A.

DEPARTMENT OF

CURRICULUM AND INSTRUCTION

I. Ramsey, Chair; Barr, R. Byrne, S. Byrne, G. Creamer, Cunningham, R. Deane, S. Deane, Francis, C. Gabbard, Hatfield, Hendricks, Kirkpatrick, McCann, R.J. Miller, Moretz, Morris, Paterno, Peel, Schmelzer, Stoess, J. Surplus, Thames, J. Thomas, K. Thompson, Walsko, Widener.

The Department of Curriculum and Instruction has responsibility for programs in Early Elementary Education (K-4), Middle Grade Education (5-8), and for the professional education component of programs of individuals preparing to become teachers in secondary schools (9-12). At the graduate level, in cooperation with the Graduate School, the department offers the Master of Arts degree in Education with the following emphases: general elementary education, reading (elementary and secondary), gifted education (elementary and secondary), and secondary teaching fields. Fifth and sixth year non-degree certification programs (Rank II and Rank I) are offered in general elementary education and in secondary teaching fields. The Specialist in Education degree is offered in elementary education and in physical education.

Additional information regarding these programs can be obtained by consulting the Graduate Catalog or by contacting the appropriate program coordinator or the departmental chair.

Early Elementary and Middle Grade Education

K. Thompson, Program Coordinator

Early Elementary Education (Teaching)

(KINDERGARTEN-GRADE FOUR)

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 64 hours

ELE Core ..... 28 hours

ELE 322, 361, 362, 365, 390, 445, 446, 491, 492, and 493.

Options ..... 21 hours

Students seeking certification as teachers of K-4 must complete 21 hours from one of the following areas of academic emphasis.

Arts/Humanities: To complete an area of emphasis in Arts/Humanities, the student must complete one of the following tracks:

General Track: HUM 124, ART 200**, MUS 171**, THE 100, ENG 350 or 351; PHI 110 or 130; MUS 360, FCC 220, 222, 224, 225, 226, ART, or THE.

Visual Arts Track: ART 100, 101, 102, 103, 200**, six hours from ART 202, 203, 207, 239, or 330. ART 100 can be used as a restricted elective.

Music Track: MUS 171**, 272, 360; Performance Component: four to nine hours from applied music and/or ensembles, three to eight hours from MUS 181, 182, 371, 372. Students with basic knowledge of the fundamentals of music may select an alternate for MUS 360 with advisor approval. MUS 272 can be used as a restricted elective.

Humanities Track: HUM 124, 226**, 228**, MUS 272, ART 390, or 391; PHI 100 or 110; ENG 350, 351, FCC 220, 222, 224, 225, 226, HUM 300, HIS 298, PHE 200 or REL 301.

English/Communications: ENG 101** and 102** or 105**, ENG 510, 520, or ELE 551; SPE 100; ENG 350, 351, or 359; six hours from ENG 301, 405, or 410.

Foreign Languages: Courses from the academic emphasis must be selected from one of the following options:

French: FRE 101, 102, 201, 211, 212, 350; FCC 220, FRE 340, 360, or 500. Students entering the program with mastery of the equivalent of FRE 101, 102, and/or 201 should take additional hours from other courses listed above. FRE 204 should be taken as the entry level course by students having mastery of the content of FRE 101, 102, and 201.

German: GER 101, 102, 201, 202, 240, 340; FCC 222, GER 360, 505, or 540. Students entering the program with mastery of the content of GER 101, 102, and/or 201 should take additional hours from other courses listed above. GER 204 should be taken as the entry level course by students having mastery of the content of GER 101, 102, and 201.

Russian: RUS 101, 102, 201, 202, 206; and six hours from FCC 224, RUS 305, or 306.

Spanish: SPA 101, 102, 201, 202, 206; six hours from FCC 225 or 226, SPA 340, 360, 496, or 505. Students having mastery of the equivalent of SPA 101, 102, and/or 201 should take additional hours from other courses listed above.

Two of the foreign language courses at the 100 and 200 level can be used to fill Gen. Ed. 03 and 04.

Mathematics: CSC 102** or 171** and 172**, MAT 107**, 15 hours to be selected from MAT 108, 203, CSC 174, 180, STA 270, 271.

Science: A minimum of three hours of life science selected from BIO 161, 162, or NAT 101; BIO 131, 141, NAT 262 or 263, BIO 317, 301, 300. A minimum of three hours of physical science selected from PHY 101 or NAT 171, AST 130 or 135, NAT 172 or 173, GLY 107 or 108, CHE 101, 102, GEO 215, GLY 104, 109, 208, 302, 390, PHY 131, 132, SCI 310.

As part of the 21 hour science emphasis, students must take one biological and one physical science laboratory course. Remaining hours are to be selected from courses listed. Courses taken to fulfill Gen. Ed. 13 and 14 can be applied to academic emphasis.

Social and Behavioral Sciences: ECO 130; GEO 101 or 245; GSS 246**, 247**, HIS 516 or POL 332, SOC 245 or CDF 132; one course selected from ANT 330, GSS 300, HIS 305, 383, 405, POL 316, or SOC 360.

Supporting Course Requirements ..... 9 hours

LIB 301, MAT 201, and 202.

Teacher Education Requirements ..... 27 hours

EDF 102, 202, 317, EPY 318, 412, SED 400, and ELE 499.

General Education ..... 43 hours

Standard General Education program including 12 hours in social science and excluding courses identified in each area of emphasis. Refer to Part III of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... 134 hours

**Courses meet general education requirement.

Course Descriptions

ELE—Early Elementary

107 Elementary Education:_____. (1-3) A. Prerequisite: advisor/departmental chair approval. Special topics, special workshops, or seminars. May be retaken under different subtitles to a maximum of nine hours.

322 Physical Education in the Elementary School. (2) I, II. Not open to physical education majors. Movement education in the elementary school curriculum with focus on the classroom teacher's role in supporting and supplementing the elementary school physical education program.

324 Teaching of Physical Education in the Elementary School. (3) I, II. Prerequisite: PHE 323. Study, appraisal, and practice of teaching techniques, methods, and materials essential to the sequential development of motor skill learning in the elementary school.

349 Cooperative Education. (1-8) A. Elective credit offered through work experiences for students seeking teaching certification. Minimum of 80 hours work required for one credit hour. Maximum hours to be earned: six in summer; eight during semester; sixteen in bachelor's program.

361 Art in the Early Elementary Grades. (3-4) I, II. Fundamental concepts of art education. Exploration of art materials, processes, and activities for children in the early elementary grades including those with special needs.

362 Music Education for the Classroom Teacher. (2-3) I, II. Prerequisite: knowledge of music fundamentals or MUS 360. Study and appraisal of teaching techniques, music literature, learning activities, curricular plans, and materials essential to the sequential development of musical learning in the elementary school.

365 Health Education in the Elementary School. (2) I, II. A study of curriculum design, teaching/learning strategies, resources, and evaluation procedures in elementary school health education. Topics include drugs, mental health, family living, nutrition/exercise/rest, consumerism, environmental health, disease, dental health, and careers.

390 Classroom Management. (3) I, II. Prerequisite: admission to Teacher Education. Critical examination of effective classroom management in grades K-4. Emphasis on theories, strategies, societal implications, and legal ramifications through study, discussion, observation, and participation. Fifteen hours of field/clinical experiences.

445 Foundations of Reading/Language Arts. (3) I, II. Cross listed as EMG 445. Prerequisites: junior standing and GPA of 2.5. An overview of reading/language arts components K-8, teacher competencies, organization and planning for instruction. Fifteen hours field/clinical experiences.

446 Reading and Language Arts K-4. (3) I, II. Prerequisite: minimal grade of "C" in ELE 445. Emphasis on theory, curriculum, teaching techniques, and materials, instructional planning, assessment and use of results. Fifteen hours of field/clinical experiences.

491 Mathematics in Early Elementary Grades. (3) I, II. Prerequisites: admission to Teacher Education and minimal grade of "C" in MAT 202. Methods and materials of teaching K-4 mathematics; emphasis on discovering and developing fundamental concepts as a foundation for problem solving. Fifteen hours of field/clinical experiences.

492 Science in the Early Elementary Grades. (3) I, II. Prerequisite: admission to Teacher Education. Modern materials and methods from kindergarten through grade four. Five discussion-laboratory hours per week.

493 Social Studies in Early Elementary Grades. (3) I, II. Prerequisite: admission to Teacher Education. Theory, content, and practice of teaching social studies in grades K-4. Fifteen hours of field/clinical experience.

499 Supervised Student Teaching in Kindergarten Through Fourth Grade. (6-12) I, II. Prerequisites: methods courses and area of specialization. Observation, participation, responsible classroom teaching and related professional activities at two non-consecutive levels in the K-4 range.

507 Problems in Elementary Education. (1-3) A. Prerequisite: advisor/departmental chair approval. Independent work, special workshops, special topics, or seminar.

510 Art in the Elementary Curriculum. (3) A. Elements of the discipline, creativity, aesthetics, theory, philosophy, and instructional facilities. Individual explorations into research and media.

517 The Child in Early Education. (3) I, II. Focuses specifically on physical, social, psychological and intellectual development of the child under six and role of the teacher in working with young children.

519 Teaching in the Kindergarten. (3) I, II. Prerequisite: ELE 517. Focuses upon the kindergarten movement, organization, equipment, curriculum, and procedures; leaders and literature of kindergarten education. Opportunity for observing and participating in kindergarten.

522 Creative Experiences in Childhood Education. (3) A. Designed for prospective and in-service teachers with focus upon the nature of creativity, development of skills used in creative expressions, activities which promote creativeness in children and teachers.

530 Multicultural Populations and School Curriculum. (3) A. Exploration of ethnic and family backgrounds, class structure, patterns of living, language characteristics, and teacher-pupil attitudes as they relate to the school experience.

541 Survey of Elementary Curriculum Programs. (3) I, II. For physical education, art, or music majors seeking twelve-grade certification. Explores elementary curriculum, the role of special teachers, problems of individual learners, functions of the entire school-community. Not open to elementary education majors.

551 Linguistics in Elementary Education. (3) A. Prerequisite: ELE 445 or 871 or 873. Investigation of elements in the science of linguistics and their application to communication skills of elementary children.

570 Identification and Correction of Developmental Reading Problems. (3) A. Procedures and materials appropriate for the identification and correction of moderate reading problems in the regular classroom.

575 Methods and Materials for Teaching English as a Second Language. (3) A. The study of effective methods of Teaching English as a Second Language (TESL). Thirty hours of field experiences are required.

596 Physical Education in Elementary Education. (3) A. Comprehensive review of techniques used in teaching physical education in the elementary grades. Emphasis placed on health evaluation, fitness testing, rhythmical activities, game activities, tumbling, and self-testing activities.

GRADUATE COURSES

707 Problems in Elementary Education. (1-3) A.
710 Art in the Elementary Curriculum. (3) A.
717 The Child in Early Education. (3) I, II.
719 Teaching in the Kindergarten. (3) I, II.
722 Creative Experiences in Childhood Education. (3) A.
730 Multicultural Populations and School Curriculum. (3) A.
741 Survey of Elementary Curriculum Programs. (3) I, II.
750 Reading and Language Arts in the Elementary School I. (3) I, II.
751 Linguistics in Elementary Education. (3) A.
760 Reading and Language Arts in the Elementary School II. (3) I, II.
770 Identification and Correction of Developmental Reading Problems. (3) A.
775 Methods and Materials for Teaching English as a Second Language. (3) A.
796 Physical Education in Elementary Education. (3) A.
801 Practicum in Kindergarten Education. (4) I, II.
802 Practicum in Elementary Education. (4) A.
805 Survey of Reading-Language Arts Program for Administrators. (3) A.
806 Reading Instruction in the Middle School. (3) A.
807 Elementary Education:_____. (1-3) A.
810 Elementary School Curriculum. (3) I, II.
811 Humanistic Teaching-Strategies and Behaviors. (3) A.
820 Theory and Philosophy in Early Childhood Education. (3) A.
825 Cognitive Development of Young Children. (3) A.
830 Expressive Experiences in Early Childhood Education. (3) A.
831 Music in Early Childhood Education. (2-3) A.
840 Career Education in Elementary Schools. (3) A.
841 The Metric System for Elementary Education. (3) A.
842 Discipline and Classroom Management. (3) A.
843 Teaching Mathematics to Low Achievers. (3) A.
855 Gifted and Talented Youth. (3) A.
856 Curriculum in Gifted/Talented Education. (3) A.
857 Seminar: Gifted/Talented Education. (3) A.
858 Practicum in Gifted/Talented Education. (3) A.
863 Social Science in Elementary Education. (3) A.
864 Investigations in Language Arts. (1-3) A.
865 Investigations in Reading. (1-3) II.
866 Investigations in Elementary School Mathematics. (1-3) A.
867 Investigations in Elementary School Social Studies. (1-3) A.
868 Techniques and Materials for Remedial Reading. (3) I, II.
870 Trends in Elementary Science Education. (3) I, II.
871 Readiness and Primary Reading Programs. (3) A.
872 Mathematics in Elementary Education. (3) I, II.
873 Developmental Reading in the Elementary School. (3) I, II.
874 Language Arts in the Elementary School. (3) A.
875 Diagnosis of Reading Problems. (3) A.

876 Investigations in Elementary School Science. (1-3) A.
877 Practicum in Remedial Reading. (3) A.
880 Organization and Supervision of Student Teaching. (3) I.
891 Issues and Trends in Elementary Education. (3) A.
897 Independent Study. (1-3) I, II.
898 Project Development. (3) A.
899 Specialist Project. (3) A.

Middle Grade Education (Teaching)

(GRADES FIVE—EIGHT)
MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **63 hours**

Middle Grade Core ..... **15 hours**
EMG 390, 445, 447, six hours from 491, 492, 493, or 494.

Options ..... **48 hours**
Students seeking middle grade, 5-8, certification must select two areas of emphasis from the following list and complete 24 hours in each area: English and Communications, Mathematics, Science, Social Studies.

English and Communications ..... 24 hours
ENG 101 and 102 or 105; 410; 350 or 351; LIB 501; SPE 100; six hours selected from ENG 301, 405, 510, 520, ELE 551.

Mathematics ..... 24 hours
CSC 102 or 171 and 172; MAT 201, 202, 203, STA 270, nine hours to be selected from MAT 107 or 108, 261, CSC 174, 180, or STA 271. One course can be used as a restricted elective.

Science ..... 24 hours
Biological Science - nine hours: one course from BIO 131, 141, 161, 162, or NAT 101; two courses from BIO 131, 141, 211, 300, 301, and 378, 302, or 303, 317, NAT 262 or 263. Earth Science, Physics, and Chemistry - 15 hours to include nine hours from one area and three hours from each of the remaining two areas: CHE 101 and 102 or 111 and 112; GLY 104, 107, 108, 109, 208, 302, 390, AST 130, 135, NAT 172 or 173; PHY 101, 131 and 132, 201 and 202, or NAT 171. A laboratory course must be selected from each area. Gen. Ed. 13 and 14 can be filled with one lab course in biology and one lab course in physical science.

Social Studies ..... 24 hours
ECO 120 or 130, GEO 245, GSS 246, 247, HIS 202, 203, POL 101 or 102, and three hours selected from ANT 120, 325, SOC 131, 235.

Teacher Education Requirements ..... **27 hours**
EDF 102, 202, 317, EPY 318, 412, SED 400, and EMG 499.

General Education ..... **43 hours**
Standard General Education program, excluding categories identified in each area of emphasis. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... **133 hours**

Course Descriptions

EMG—Middle Grade Education

390 Middle Grade Curriculum. (3) I, II. Prerequisite: EDF 317. An examination of the curriculum and the responsibilities of teaching in the middle grades through study, discussion, observation, and participation. Fifteen hours of field/clinical experiences.

445 Foundations of Reading/Language Arts. (3) I, II. Cross listed as ELE 445. Prerequisite: EMG 390. An overview of reading/language arts components K-8, teacher competencies, organization and planning for instruction. Fifteen hours of field/clinical experiences.

447 Reading/Language Arts in the Middle Grades. (3) I, II. Prerequisite: minimal grade of "C" in EMG 445. Emphasis on theory, curriculum, teaching techniques and materials, instructional planning, assessment and use of results. Fifteen hours of field/clinical experiences.

491 Mathematics in the Middle Grades. (3) I, II. Prerequisites: mathematics emphasis and EMG 390. Methods and materials of teaching middle grade mathematics, procedures for discovering and developing fundamental concepts as a foundation for problem solving, use of modern instructional media in planning and demonstrating math instruction. Fifteen hours of field/clinical experiences.

492 Science in the Middle Grades. (3) I, II. Prerequisites: science emphasis and EMG 390. Study of materials and methods for teaching science in grades five through eight. Fifteen hours of field/clinical experience.

493 Social Studies in the Middle Grades. (3) I, II. Prerequisites: social studies emphasis, EPY 318, and EMG 390. Theory, content, and practice of teaching social studies in the middle grades. Fifteen hours of field/clinical experience.

494 English and Communication in the Middle Grades. (3) I, II. Prerequisites: English/communications emphasis and EMG 445. Study of effective techniques and strategies for teaching English and communication skills in the middle grades. Fifteen hours of field/clinical experience.

499 Supervised Student Teaching in the Middle Grades. (6-12) I, II. Prerequisite: methods courses in areas of specialization. Observation, participation, and responsible classroom teaching with related professional activities.

ELEMENTARY EDUCATION
(Grades 1-8)

Course Descriptions

ELE—Elementary Education

Courses listed in this section are part of the Elementary Education (1-8) curriculum. With the exception of ELE 497 and 498, they will not be offered by the department after fall 1988. ELE 497 and 498 will not be offered after spring 1989.

356 Social Studies in the Elementary School. (3) I, II. Prerequisite: 12 hours general education social science. Theory, content, and practice of teaching social studies in the elementary school.

****360 Teaching of Elementary School Mathematics. (3) I, II.** Prerequisites: EDF 317, MAT 201, 202, and admission to teacher education program. Methods and materials of teaching elementary mathematics; emphasis on discovering and developing fundamental concepts as a foundation for problem-solving.

****475 Teaching of Elementary School Science. (3) I, II.** Prerequisite: nine hours general education science. Modern materials and methods for elementary science teaching from kindergarten through grade eight. Five discussion/laboratory hours per week.

497 Supervised Student Teaching in Kindergarten. (5-8) I, II. Prerequisite: ELE 519. Observation and teaching under professional supervision.

498 Fundamentals of Elementary Education. (3) I, II. Prerequisites: EDF 202 or 300, EPY 318, ELE 356, 360, 475, 550, 560. See admission to student teaching under Professional Laboratory Experiences. Taken with ELE 499. Functional approaches to responsible teaching in the elementary school.

550 Reading and Language Arts in the Elementary School I. (3) I, II. Prerequisite: EDF 317. Theory, content, and practice of teaching reading and language arts in the elementary school.

****560 Reading and Language Arts in the Elementary School II. (3) I, II.** Prerequisite: ELE 550. Theory, content, and practice of teaching reading and other language arts in the elementary school.

**Courses transferred as equivalents must be upper division level.

LIBRARY SCIENCE

Course Descriptions

LIB—Library Science

301 Children's Literature and Related Materials. (3) I, II. Prerequisites GSE 101 and 102. Survey course designed for teachers and media librarians planning to work with children. Emphasis on media to supplement the school curriculum and to encourage recreational reading for ages 1-10.

349 Cooperative Education. (1-8) A. Elective credit offered through work experiences for students seeking teacher certification. Minimum of 80 hours work required for one credit hour. Maximum hours to be earned: six in summer; eight during semester; sixteen in bachelor's program.

499 School Media Practicum. (4) II. Gives the trainee practical experience in many phases of school media service including circulation routines, teaching children the use of reference materials, and assisting in cataloging new books and materials. Reading guidance, story telling, and organization of unit materials are stressed.

500 Organization and Administration of the School Media Center. (3) A. Prerequisite: admission to the teacher education program, philosophy, objectives, and administration of the media center in the elementary and secondary schools.

501 Literature and Related Materials for Adolescents. (3) A. For teachers and media librarians planning to work with adolescents. Emphasis on media to supplement the school curriculum and to encourage recreational reading for ages 11-14. Book selection, reading interests, and needs of adolescents are stressed as well as the various types of materials for use by and with adolescents.

502 Literature and Related Materials for Young Adults. (3) A. For teachers and school media librarians planning to work with young adults. Emphasis on media to supplement school curriculum and encourage recreational reading for young adults, ages 14 and up. Stresses reading interests, levels, and needs for young adults, including types of materials suitable for more mature students and problems of selection.

511 Non-book Instructional Materials. (3) A. Selection, organization, and utilization of non-book instructional materials in school and media centers.

521 Reference. (3) A. Provides information for satisfactory use of library resources. Stresses essential reference work including dictionaries, encyclopedias, atlases, yearbooks, periodical indexes, and the more important subject and trade bibliographies.

531 Classification and Cataloging. (3) A. Fundamental principles and methods of classification and cataloging of books and related materials. Attention on classification and cataloging of books for school media centers.

563 Preparation of Instructional Media. (3) A. Selection and preparation of free and inexpensive materials, displays, graphics, models, bulletin-board utilization, mounting, and preserving of materials.

569 Instructional Media, Computers, and Technology. (3) I, II. A course designed to instruct students in the philosophy and techniques of the effective utilization of instructional media and technology.

GRADUATE COURSES

700 Organization and Administration of the School Media Center. (3) A.
701 Literature and Related Materials for Adolescents. (3) A.
702 Literature and Related Materials for Young Adults. (3) A.
711 Non-book Instructional Materials. (3) A.
721 Reference. (3) A.
731 Classification and Cataloging. (3) A.
763 Preparation of Instructional Media. (3) A.
769 Instructional Media, Computers, and Technology. (3) I, II.
801 School Library Practicum. (3) A.
805 Advanced Children's Literature. (3) A.
807 Library Science:_____. (1-3) A.

Secondary And Higher Education (Teaching)

R. McCann, Program Coordinator

Professional education counseling, professional education courses, and supervision of student teaching are services provided undergraduate students preparing to be secondary school teachers. Graduate level offerings are provided for students seeking advanced professional preparation in secondary education.

Course Descriptions

ESE—Secondary Education

307 Clinical Experiences for Teachers. (1-3) A. Prerequisite: departmental chair approval. Provides clinical experiences such as observations, participation, and tutoring for prospective teachers in locations such as the learning lab. May be retaken to a maximum of six hours.

349 Cooperative Education. (1-8) A. Elective credit offered through work experiences for students seeking teacher certification. Minimum of 80 hours work required for one credit hour. Maximum hours to be earned: six in summer, eight during semester; sixteen in bachelor's program.

366 Methods of Teaching Home Economics. (4) II. Prerequisites: EDF 202 and EDF 317. Philosophy of home economics education methods of teaching in-school and out-of-school groups; selection, development, and use of instructional materials.

378 Music Education: Principles and Practices I. (3) I. Prerequisite: junior standing in music. Acquaints the student with a balanced music education curriculum in the elementary school. Emphasis on understanding and planning a developmental sequence to assure musical growth of children in K-6.

379 Music Education: Principles and Practices II. (3) II. Prerequisite: ESE 378. Acquaints students with a balanced music education curriculum in the secondary school. Emphasis on understanding and planning a developmental sequence to assure musical growth of 7-12 grade pupils.

440 Teaching Art in the Secondary School. (3) II. Prerequisite: senior standing in art education. Relation of adolescent maturation levels and art experiences, planning for organization, and philosophy of art education in the secondary school.

441 Teaching of Biology in the Secondary School. (3) II. Modern materials and methods for teaching biology in secondary schools.

443 Teaching of the Language Arts in the Secondary School. (3) II. Prerequisite: major or minor in English, French, German, Spanish, or speech. Study of effective methods of instruction in language arts; emphasis on programming, lesson planning, and evaluating.

449 Teaching of Social Studies in the Secondary School. (3) II. Trends, objectives, teaching learning techniques, and understanding of social studies as keys to development of understanding of social relations.

450 Teaching of Mathematics in the Secondary School. (3) II. Prerequisite: 18 hours college mathematics or C & I chair approval. Historical background of the mathematics curriculum; modern curricular developments in secondary school mathematics; improvement programs for school mathematics; texts and materials.

451 Teaching of Physical Science in the Secondary School. (3) II. Prerequisite: major or minor in the physical sciences. Review of fundamentals of chemistry and physics. New techniques useful in teaching principles of physical science in the classroom and laboratory.

452 Teaching of Industrial Arts in the Secondary School. (3) II. Function and objectives of industrial arts; the industrial arts curriculum; methods of presentation; planning, equipping, and organizing the laboratory; instructional materials; evaluation of student achievement.

453 The Home Economics Curriculum. (3) II. Prerequisite: instructor approval. Current trends in home economics programs for secondary school students, out-of-school youth, and adults; curriculum planning; organization and administration of the department; construction and use of evaluation instruments.

457 Instrumental Methods and Materials. (2) I, II. The role, objectives, and methods of instrumental music in public schools.

458 Choral Methods and Materials. (2) I, II. The role, objectives, and methods of choral music in public schools.

466 Teaching of Physical Education in the Secondary School. (3) I, II. The role of physical education in secondary schools; implication for the physical education curriculum, unit and lesson planning, methods and materials of teaching.

470 Materials and Methods of Teaching Typewriting. (2) A. Educational psychology and learning theory related to current methods, materials and techniques of teaching typewriting; observation of and participation in teaching situations; measuring and evaluating student progress with emphasis on methods of remediation.

471 Methods and Materials in Teaching Accounting and Basic Business. (2) A. Current methods, materials, and techniques of teaching basis business courses; participation in and observation of actual teaching situations; measurement and evaluation of student progress.

472 Methods and Materials in Teaching Shorthand, Transcription, and Office Practice. (2) A. Current methods, materials and techniques of teaching; participation in and observation of actual teaching situations; various types of organizational plans for office practice; measurement and evaluation of student progress.

487 Teaching of Health Education in the Secondary School. (3) II. Methods, materials, and curriculum design in secondary health education; characteristics and health needs of secondary students.

498 Fundamentals of Secondary Education. (3) I, II. Prerequisites: EDF 202 or 300; EDF 317 or EPY 318. Responsible classroom teaching through experiences in study, discussion, and organizing materials.

499 Supervised Student Teaching. (12) I, II. Prerequisite: ESE 498. Observation, participation, and responsible classroom teaching including related professional activities.

500 The School Health Program. (3) A. Organizational patterns necessary for an efficient, well coordinated health program. Interrelated roles of health services, health instruction, and healthful school living; role of the school health coordinator.

507 Problems in Secondary Education. (1-3) A. Prerequisite: advisor/departmental chair approval. Independent work, special workshops, special topics, or seminars.

563 Occupational Programs in Home Economics. (3) A. Prerequisite: instructor approval. Development of occupational programs in vocational home economics including philosophy, curriculum, space, and equipment needs, teaching methods and materials, program evaluation, and federal state funding.

564 History and Philosophy of Industrial Education. (3) A. History of industrial education from its early beginnings to the present; the contributions of leaders; movements in the development of industrial and vocational education, modern concepts of industrial education.

565 Workshop in Home Economics Education. (1-3) A. Prerequisite: instructor approval. Concentrated work on a current aspect in vocational home economics. May be retaken to a maximum of six hours.

566 Special Problems in Home Economics Education. (1-3) A. Prerequisite: instructor approval. The student chooses a problem and works under the supervision of the instructor.

574 Teaching Reading in the Secondary School. (3) A. Prerequisite: EDF 317 and admission to teacher education program. Emphasis on developmental and content area reading skills, appraisal of reading abilities, appropriate materials, evaluation, and organization of secondary reading programs.

575 Methods and Materials for Teaching English as a Second Language. (3) A. The study of effective methods of Teaching English as a Second Language (TESL). Thirty hours of field experiences are required.

578 Music in Special Education. (3) A. Prerequisite for non-music majors: ELE 362 or instructor approval. Music in education of the handicapped and the gifted. Exploration and development of special teaching techniques and resources.

587 Health Education in the Secondary School. (3) I. Philosophy and principles of health education and curriculum design. Attention given to writing behavioral objectives, utilizing learning opportunities, and developing evaluation instruments for the various content areas.

GRADUATE COURSES

700 The School Health Program. (3) A.
707 Problems in Secondary Education. (1-3) A.
763 Occupational Programs in Home Economics. (3) A.
764 History and Philosophy of Industrial Education. (3) A.
765 Workshop in Home Economics Education. (1-3) A.
766 Special Problems in Home Economics Education. (1-3) A.
774 Teaching Reading in the Secondary School. (3) A.
775 Methods and Materials for Teaching English as a Second Language. (3) A.
778 Music in Special Education. (3) A.
787 Health Education in the Secondary School. (3) I.
804 Test and Measurement in Business Education. (3) A.
806 Current Principles, Trends, and Issues in Business Education. (3) A.
807 Secondary Education:_____. (3) A.
810 Improvement of Instruction in Shorthand and Transcription. (3) A.
811 Humanistic Teaching - Strategies and Behaviors. (3) I, II.
812 Curriculum Theory and Development. (3) A.
820 Improvement of Instruction in Typewriting. (3) A.
835 Improvement of Instruction in Accounting and Basic Business. (3) A.
841 Methods and Materials for Science Education. (3) A.
842 Administration and Supervision in Business Education. (2) A.
843 Trends and Materials in the Teaching of English. (3) A.
849 Trends and Materials in Social Studies. (3) A.
850 Trends and Materials in the Teaching of Mathematics. (3) A.
855 Gifted and Talented Youth. (3) A.
856 Curriculum in Gifted/Talented Education. (3) A.
857 Seminar: Gifted/Talented Education. (3) A.
858 Practicum in Gifted/Talented Education. (3) A.
860 Curriculum Development in Home Economics. (3) A.
861 Supervision of Home Economics. (3) A.
862 Philosophy of Home Economics Education. (3) A.
863 Secondary School Curriculum. (3) II.
865 Seminar in Home Economics Education. (1-3) A.
866 Curriculum Design in Physical Education. (3) I.
867 Evaluation in Home Economics Education. (3) A.
868 Research in Home Economics Education. (1-6) A.
871 Special Problems in Industrial Arts Education. (1-6) A.
872 Curriculum Practices and Trends in Industrial Education. (3) I.
873 Seminar in Industrial Arts Education. (3) A.
874 Supervision & Administration in Music Education. (3) A.
875 Current Trends in Secondary Music. (2) A.
876 Current Trends in Elementary Music. (2) A.
877 Practicum in Remedial Reading. (3) A.
878 Principles of Music Education. (3) I.
879 Foundations of Music Education. (3) II.
880 Problems in Music Education. (1-3) I, II.
881 Workshop in Music Education. (1-4) Summer only.
882 Curriculum Development in Music Education. (3) A.
884 Organization & Administration of Instrumental Music. (2) A.
890 Field Experiences in Secondary Education. (1-3) A.
898 Project Development. (3) A.
899 Specialist Project. (3) A.

EHE—Higher Education

807 Problems in Higher Education. (1-3) A.
880 Organization and Supervision of Student Teaching. (3) I.

DEPARTMENT OF
SPECIAL EDUCATION

P. Lawrence, Acting Chair; Andrews, Bolling, Carr, Eldot, Haas, Janssen, Jaussi, Leung, Mahanna-Boden, Meckler, Nelson, Sultana.

The Department of Special Education prepares special education teachers, speech-language pathologists, and personnel who work in a variety of related settings. Programs are offered leading to B.S. degrees in three areas of special education (learning and behavior disorders, trainable mentally handicapped, hearing impaired) and in communication disorders (speech-language pathology).

The B.S. in special education entitles the graduate to a provisional teaching certificate K-12 in the area of specialization and a provisional teaching certificate for the elementary classroom (grades K-4 or 5-8). The areas of specialization include learning and behavior disorders, trainable mentally handicapped, and hearing impaired. Students majoring in communication disorders are eligible for a provisional teaching certificate K-12 in speech and communication disorders.

Fifth and sixth year programs are offered which lead to certification. Director of special education is offered in a sixth year program. Graduate programs are offered leading to the Master of Arts in Education and Specialist in Education degrees in special education.

In addition, the graduate program in communication disorders prepares the student for eligibility to receive a state licensure and/or national certification in speech-language pathology.

Learning and Behavior Disorders and Trainable Mentally Handicapped

G. Carr, Program Coordinator

Special Education

MAJOR, SPECIALIZATION IN LEARNING AND BEHAVIOR DISORDERS (K-12) WITH EARLY ELEMENTARY CERTIFICATION (K-4) (BACHELOR OF SCIENCE)

Special Education Requirements ..... **30 hours**
SED 104, 260, 341, 351, 356, 375, 388, 434, 438, and 518.
Elementary Education (K-4) Requirements ..... **18 hours**
ELE 390, 445, 446, 491, 492, and 493.
Supporting Course Requirements ..... **19 hours**
ELE 322, 361, 362, 365, LIB 301, and MAT 201, 202.
Teacher Education Requirements ..... **22 hours**
EDF 102, 202, 317, EPY 318, ELE 499, and SED 499.
General Education Requirements ..... **49 hours**
Standard General Education program, excluding course categories 03 and 04. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **138 hours**

Special Education

MAJOR, SPECIALIZATION IN LEARNING AND BEHAVIOR DISORDERS (K-12) WITH MIDDLE GRADES CERTIFICATION (5-8) (BACHELOR OF SCIENCE)

See advisor early in the program

Special Education Requirements ..... **30 hours**
SED 104, 260, 341, 351, 356, 375, 388, 434, 438, and 518.
Middle Grades (5-8) Requirements ..... **24-36 hours**
EDF 102, 202, 317, EPY 318, EMG 390, 445, 447; three hours from EMG 491, 492, or 493.
Teaching Field/Area of Emphasis
24 hours in an area of emphasis chosen from: English and Communications, Mathematics, Science, or Social Studies. (Up to 12 hours in General Education requirements may apply toward the teaching field.)
Supporting Course Requirements ..... **9 hours**
Art or Music **(see advisor),** MAT 201, 202.
Teacher Education Requirements ..... **22 hours**
EDF 102, 202, 317, EPY 318, ELE 499, and SED 499.
General Education Requirements ..... **49 hours**
Standard General Education program, excluding course categories 03 and 04. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **134-146 hours**

Special Education

MAJOR, SPECIALIZATION IN TRAINABLE MENTALLY HANDICAPPED (K-12) WITH EARLY ELEMENTARY CERTIFICATION (K-4) (BACHELOR OF SCIENCE)

Special Education Requirements ..... **30 hours**
SED 104, 260, 341, 353, 356, 375, 388, 435, 438, and 518.
Elementary Education (K-4) Requirements ..... **18 hours**
ELE 390, 445, 446, 491, 492, and 493.
Supporting Course Requirements ..... **19 hours**
ELE 322, 361, 362, 365, LIB 301, and MAT 201, 202.
Teacher Education Requirements ..... **22 hours**
EDF 102, 202, 317, EPY 318, ELE 499, and SED 499.
General Education Requirements ..... **49 hours**
Standard General Education program, excluding course categories 03 and 04. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **138 hours**

Special Education

MAJOR, SPECIALIZATION IN TRAINABLE MENTALLY HANDICAPPED (K-12) WITH MIDDLE GRADES CERTIFICATION (5-8) (BACHELOR OF SCIENCE)

See advisor early in the program

Special Education Requirements ..... **30 hours**
SED 104, 260, 341, 353, 356, 375, 388, 435, 438, and 518.
Middle Grade Requirements ..... **24-36 hours**
EDF 102, 202, 317, EPY 318, EMG 390, 445, 447; three hours from EMG 491, 492, or 493.
Teaching Field/Area of Emphasis
24 hours in an area of emphasis chosen from: English and Communications, Mathematics, Science, or Social Studies. (Up to 12 hours in General Education requirements may apply toward the teaching field.)
Supporting Course Requirements ..... **9 hours**
Art or Music **(see advisor),** MAT 201, 202.
Teacher Education Requirements ..... **22 hours**
EDF 102, 202, 317, EPY 318, ELE 499, and SED 499.
General Education Requirements ..... **49 hours**
Standard General Education program, excluding course categories 03 and 04. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **134-146 hours**

Special Education (Non-Teaching)

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **36 hours**
SED 104, 260, 341, 356, 375 (nine hours over a minimum of two semesters), 388, 436, and 518.
For an emphasis in LBD: SED 351 and 434.
For an emphasis in TMH: SED 353 and 435.
For an emphasis in HI: SED 337 and 380.
Supporting Course Requirements ..... **12 hours**
EDF 317 and EPY 318; six hours from the following: REC 311, 511, PHE 562, or ESE 578.
Minor Requirements** ..... **18 hours**
General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **7 hours**
Total Curriculum Requirements ..... **128 hours**

**Refer to Part Three of this Catalog for list ot minors offered.

MINOR IN SPECIAL EDUCATION

Planned 18 semester hours under special education advisement. The planned program will be consistent with student's professional objectives. Prerequisites must be honored. Candidates should contact the department for specific requirements of the minor.

Communication Disorders and Hearing Impaired Programs

J. Bolling, Program Coordinator

Special Education

MAJOR, SPECIALIZATION IN HEARING IMPAIRED (K-12) WITH EARLY ELEMENTARY CERTIFICATION (K-4) (BACHELOR OF SCIENCE)

Special Education Requirements ..... **39 hours**
SED 104, 240, 260, 337, 338, 356, 375, 380, 388, 410, 438, 518, and 581.
Elementary Education (K-4) Requirements ..... **18 hours**
ELE 390, 445, 446, 491, 492, and 493.
Supporting Course Requirements ..... **19 hours**
ELE 322, 361, 362, 365, LIB 301, and MAT 201, 202.
Teacher Education Requirements ..... **22 hours**
EDF 102, 202, 317, EPY 318, ELE 499, and SED 499.
General Education Requirements ..... **49 hours**
Standard General Education program, excluding course categories 03 and 04. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **147 hours**

Special Education

MAJOR, SPECIALIZATION IN HEARING IMPAIRED (K-12) WITH MIDDLE GRADES CERTIFICATION (5-8) (BACHELOR OF SCIENCE)

See advisor early in the program.

Special Education Requirements ..... **39 hours**
SED 104, 240, 260, 337, 338, 356, 375, 380, 388, 410, 438, 518, and 581.
Middle Grade Requirements (5-8) ..... **24-36 hours**
EDF 102, 202, 317, EPY 318, EMG 390, 445, 447; three hours from EMG 491, 492, or 493.
Teaching Field/Area of Emphasis
24 hours in an area of emphasis chosen from: English and Communications, Mathematics, Science, or Social Studies. (Up to 12 hours in General Education requirements may apply toward the teaching field.)
Supporting Course Requirements ..... **9 hours**
Art or Music **(see advisor)**, MAT 201, 202.
Teacher Education Requirements ..... **22 hours**
EDF 102, 202, 317, EPY 318, ELE 499, and SED 499.
General Education Requirements ..... **49 hours**
Standard General Education program, excluding course categories 03 and 04. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **143-155 hours**

Special Education

MAJOR, SPECIALIZATION IN COMMUNICATION DISORDERS, (TEACHING AND NON-TEACHING) (BACHELOR OF SCIENCE)

Major Requirements ..... **48 or 62 hours**
Teaching ..... **62 hours**
SED 104, 250, 274 (to a maximum of two hours), 275, 285, 360, 365, 372, 373, 374, 380, 474, 476, 485, 491, 492, 499, 565, and 587.
Non-Teaching ..... **48 hours**
SED 104, 250, 274 (to a maximum of two hours), 275, 285, 360, 365, 372, 373, 374, 380, 474 (to a maximum of six hours), 476, 485, 565, and 587.
Supporting Course Requirements ..... **28 hours**
(Teaching and Non-Teaching)
BIO 171 and 301, 303, or 371; EDF 102, 202, and 317; MAT 100 or 107; PHY 101 or NAT 171; PSY 201 or 202 and 312 or 314; SPE 100.
General Education Requirements ..... **46 hours**
Standard General Education program, excluding course categories 13, 14, and 15. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives
Teaching ..... **3 hours**
Non-Teaching ..... **15 hours**
Total Curriculum Requirements
Teaching ..... **133 hours**
Non-Teaching ..... **131 hours**

Course Descriptions

SED—Special Education

090 Speech-Language Laboratory. (3) I, II. Clinical approach to communication problem(s). Instruction in proper use of speech mechanism. Individualized remediation of articulation, fluency, language, and/or voice problems. Concurrent enrollment in Speech-Language-Hearing Clinic may be required. Institutional credit; cannot be used toward graduation.

104 Special Education Introduction. (3) I, II, A. Complete overview of major categories of exceptionalities and special education. Observations of special education services. Open to non-majors.

105 Psychology of Deafness. (3) I, A. Overview of the psychological and sociological ramifications of deafness upon children and adults. Explores how deafness affects the individual's development in language, communication, cognition, and psychological-social-emotional growth. Examines historic relations between deaf and hearing.

110 Introduction to Interpreting: Manual and Oral. (3) I, A. Terminology, procedures, and ethical/professional considerations relevant to manual and oral interpreting. Code of Ethics, structuring of interpreting environment, language systems, communication modes, education and evaluation of interpreters, human relation skills, historic developments, current trends.

240 Communication Skills for the Hearing Impaired. (3) A. Prerequisite: SED 104 or instructor approval. Basic principles of manual communication and fingerspelling. Builds an expressive and receptive vocabulary of at least 1,000 signs to enable communication with individuals who use total communication. 3 Lec/Lab.

250 Phonetics of Normal and Defective Speech. (3) I. Study of the articulatory postures and movements used to produce standard English and defective sounds. Introduction of the International Phonetic Alphabet and practice in using it to transcribe both normal and defective speech.

260 Language and Speech Disorders of Exceptional Children. (3) I, II. Prerequisite: SED 104 or instructor approval. Acquisition of normal language and speech in our multicultural society. Identification and educational management of language and speech disorders in exceptional children.

271 **Characteristics of Learning and Behavior Problems. (3) I, II.** Prerequisite: SED 104 or instructor approval. Handicapping conditions due to physical, sensory, motor, intellectual, or emotional problems. Characteristics of educable mental retardation, learning disabilities, emotional disturbance (behavior disordered), physically handicapped. Utilization of prosthetic devices.

272 The Trainable and Severely Mentally Handicapped. (3) II. Prerequisite: SED 104 or instructor approval. Emphasis on moderate, severe, and profound mental retardation. Characteristics of moderate and severe retardation; theories of intelligence; adaptive behavior; etiology; history; residential programs; educational, social, psychological implications.

274 Prepracticum in Speech Pathology (1) I, II. Techniques of observation and directed clinical observation of therapeutic or diagnostic services with communication-disordered individuals. Must be taken for two semesters. Students must accumulate 25 clock hours of observation by end of second semester.

275 Communication Disorders: A Survey. (3) I. Introduction to the nature and causes of speech, language, and hearing disorders.

280 Linguistics of American Sign Language. (3) I. Prerequisite: SED 240 or instructor approval. Intermediate-level expressive and receptive skills in American Sign Language, non-manual cues, rules of grammatical formation, specific lexical items and their parameters, semantics, syntactics, and pragmatics.

281 Advanced Linguistics of American Sign Language. (3) II. Prerequisite: SED 240, 280, or instructor approval. Development of advanced conversational skills; further exploration of parameters, pragmatics, semantics and syntactics. Practice of voice interpreting skills.

282 Interpreting in Educational, Medical, and Legal Situations. (3) II, A. Specialized skills designed for interpreter competence in educational, legal, medical, employment, and performing arts settings. Terminology; legal rights, role and responsibilities of client and interpreter in each setting.

283 Interpreting for Hearing Impaired Individuals. (3) I. Identification and definition of interpreting needs of special populations. Methods and materials used with each group. Observations, lab required.

284 Reverse Interpreting and Transliteration (3) I. Prerequisite: SED 110, 240 or instructor approval. Training and practice in sign-to-voice interpreting for educational and other special settings. Students will progress from consecutive to simultaneous interpreting of increasingly longer, more complex texts.

285 Anatomy and Physiology of Speech and Hearing Mechanism. (3) II. Prerequisite: SED 275, BIO 171, or instructor approval. Introduction to the anatomical and physiological bases of phonation, resonation, articulation, respiration, and hearing.

337 Education of the Hearing Impaired. (3) A. Prerequisite: SED 104 or instructor approval. Study of personality, intellectual, and emotional development of the hearing impaired. Emphasis on social maturity, motor functioning, multiple handicaps and the signiticant history of educational programs at all levels.

338 Language for the Hearing impaired. (3) A. Prerequisite: SED 260 or instructor approval. Reading and written language acquisition from a developmental perspective. Concepts in bilingual education applied to deaf children. Materials and methods in teaching reading and writing.

339 Intermediate Communication Skills. (3) A. Formerly SED 633. Prerequisite: SED 240 or instructor approval. Expressive and receptive skills in American Sign Language (ASL). Sociolinguistic considerations of ASL.

341 Behavior Management. (3) I, II. Techniques of behavioral management of exceptional students in educational settings. Applied behavior analysis data collection, intervention, and reporting. Practical procedures for teaching new behaviors. Open to non-majors.

349 Cooperative Education. (1-8) A. Elective credit offered through work experiences for students seeking teacher certification. Minimum of 80 hours work required for one credit hour. Maximum hours to be earned: six in summer; eight during semester; sixteen in bachelor's program.

351 Special Educational Assessment. (3) I, II. Prerequisite: SED 260, 271, or instructor approval. Principles and application of educational assessment of learning and behavior disordered students. Educational interpretation of assessment outcomes.

353 Assessment of Trainable Mentally Handicapped Students. (3) I. Prerequisite: SED 272 or instructor approval. Principles and application of psychological and educational assessment of trainable and severely mentally handicapped students. Educational interpretation of assessment results.

356 Special Education Methods and Materials. (3) I, II. Prerequisites: SED 351, 353, or instructor approval. Curriculum for exceptional individuals; instructional methodologies; implementation and evaluation of instructional and management programs; development of special education instructional materials.

360 Normal Speech and Language Development. (3) I. Normal speech and language acquisition; basic linguistic concepts and theories; language deviance/difference.

365 Language Disorders: Assessment. (3) I. Prerequisites: SED 275, 360, or instructor approval. Methods of assessing language content/form/use. Assessment techniques will include standardized tests, language sampling and analysis, and observational techniques and scales.

372 Diagnostic & Management Techniques in Communication Disorders. (3) II. Prerequisite: SED 275 and 250. Survey and application of diagnostic and management techniques, procedures for client evaluation, program planning and implementation. Laboratory and observation experiences may be required.

373 Speech Pathology: Articulation. (3) II. Prerequisites: SED 250, 275, and 360. Characteristics and principles of diagnosis and treatment of articulation problems.

374 Practicum in Speech Pathology. (3) I, II. Prerequisites: SED 372, 373, and 2.8 GPA in major or instructor approval. Supervised clinical practice in communication disorders. Repeatable.

375 Practicum in Special Education. (3-6) I, II. Prerequisite; departmental approval. A supervised pre-student teaching practicum. Educational assessment, behavior management, and individual educational planning (IEP).

380 Introduction to Clinical Audiology. (3) I. Physics of sound; anatomy, physiology, pathology, and medical treatment of the auditory system; introduction to the audiometer; basic puretone and speech (auditory) testing.

388 The Handicapped in Career Education Programs. (3) A. Educational management of handicapped and disadvantaged pupils in industrial, agricultural, home economics, business, and technical education settings.

400 Exceptional Students in Regular Classrooms. (3) A. Salient features of Public Law 94-142. Implications for regular education including characteristics of mainstreamed students, identification, instructional strategies, and behavior management. Collaborative roles and responsibilities of regular educators. Appropriate field experiences required. Nonmajors only.

410 Assessment, Curriculum, Methods in Content Areas for Hearing Impaired. (3) A. Prerequisites: SED 240 and 260 or instructor approval. Basic types and properties of standardized norm-referenced, criterion-referenced and informal tests. Sample curriculi from schools for deaf in content areas: science, math, social science. Teaching methods for visual-gestural learners.

434 Prescriptive Programming for Learning and Behavior Disordered Children. (3) I, II. Prerequisite: SED 351, 356, or instructor approval. Curriculum design, analysis, and application of instructional materials for learning and behavior disordered students. Design, implementation, and evaluation of individualized educational programs.

435 Prescriptive Programming for Trainable Mentally Handicapped Students. (3) I. Prerequisites: SED 353, 356, or instructor approval. Curriculum design, analysis, and application of instructional materials for trainable mentally handicapped students. Design, implementation, and evaluation of individualized programs based upon educationally relevant characteristics of trainable mentally handicapped students.

438 Special Education Instructional Programs. (3) I, II. Working with parents of exceptional children. Roles and procedures of the special education teacher in resource room programs, self-contained classrooms, and itinerant settings. Special education planning, scheduling, program evaluation, and program development.

474 Advanced Practicum in Speech Pathology. (2) I, II. Prerequisites: SED 374 and instructor approval. Advanced supervised clinical practice in communication disorders. Repeatable.

476 Speech Pathology: Fluency and Phonation Disorders. (3) I. Prerequisites: SED 275 and 285. Lectures and selected readings on the theoretical, etiological, and developmental views of assessment and management of fluency (stuttering) and phonation (voice) problems in children and adults.

477 Practicum in Audiology. (1) II. Prerequisite: instructor approval. Supervised clinical practice in audiology. Repeatable.

485 Audiometry. (3) II. Prerequisite: SED 380. Practical experience with traditional pure-tone and speech (auditory) testing and with special diagnostic assessment of adults and children; effective masking principles, calibration of audiometers, and analyzing and interpreting audiological results. Lec/Lab.

491 Public School Methods in Communication Disorders. (3) I, II. Prerequisite: advisor approval. Organization and administration of speech-language therapy programs in the schools.

492 Practicum in Identification of Communication Disorders. (1) I, II. Prerequisite: advisor approval. Administration of group screening procedures for the identification of articulation, language, voice, fluency, and or hearing problems.

499 Supervised Student Teaching In Special Education. (6-12) I, II. Prerequisite: advisor approval. Observation, participation, and teaching or clinical work in the special educational situation in the selected area of exceptionality.

507 Problems in Special Education:_____. (1-3) A. Prerequisite: advisor/departmental chair approval. School-related work, special workshops, special seminars. May be retaken with different descriptions.

518 Special Education Early Childhood Programs. (3) I, II. Prerequisites: SED 104 or 575, SED 260, or instructor approval. Curriculum development and modifications for preschool exceptional children; concept and social development of preschool exceptional children.

565 Seminar: Language Disorders. (3) A. Prerequisites: SED 360 and 365. Study of language impairment and principles of remediation.

574 Field Experiences with Exceptional Children. (3) A. Prerequisite: departmental chair approval. A practicum experience with exceptional children; behavior management, educational assessment, and individual educational planning (IEP).

575 Nature and Needs of Exceptional Students. (3) A. Overview of special education including characteristics, definitions, programming, and supporting research. Open to non-majors.

576 Introduction to Special Education Assessment. (3) A. Prerequisite: SED 575 or instructor approval. Principles of tests and measurements. Test administration, scoring, and interpretation applied to L & BD, HI, and TMH. Application of assessment data to interdisciplinary teams.

577 Mental Retardation (3) A. Prerequisite: SED 575 or instructor approval. Mental retardation as an educational, psychological, and sociological phenomenon. Definitions, characteristics, theoretical foundations, and programmatic approaches.

578 Behavior Disorders. (3) A. Prerequisite: SED 575 or instructor approval. Behavior disorders and/or emotional disturbances as an educational, psychological, and sociological phenomenon. Definitions, characteristics, theoretical foundations, programmatic approaches.

579 Learning Disabilities. (3) A. Prerequisite: SED 575 or instructor approval. Definition, and assessment of learning disabilities. Emphasis on theories related to specific teaching methodologies.

581 Speech for the Hearing Impaired. (3) A. Prerequisite: SED 260 or instructor approval. Phonological development, acoustic articulation, rhythm, phrasing, accent, fluency, effects of impairment on speech, speech reading, auditory training.

587 Aural Rehabilitation. (3) A. Prerequisite: SED 485. Hearing aid evaluation, dispensing, and orientation; audiology in private practice; auditory, visual, tactile-kinesthetic perception; management of speech production; educational audiology; speech reading and auditory training; importance of parental participation.

590 Behavior Modification in School Settings. (3) A. Prerequisite: SED 575 or instructor approval. Behavior analysis applied to classroom and instructional management. Development of skills in data collection, intervention procedures, and evaluation of behavior change.

591 Instruction of Secondary Learning and Behavior Disordered Students. (3) A. Prerequisites: SED 104, 351, or instructor approval. Problems of students with learning and behavior disorders in secondary school settings. Programming and instructional alternatives for secondary level education. Planning for transition to work and community.

593 Teaching Students with Learning and Behavior Disorders. (3) A. Prerequisite: SED 575, 576, 578, or 579 or instructor approval. Individual Education Programs for LBD students, based on assessment information and in accordance with legal mandates and regulations. Curriculum designs, material and program evaluation.

GRADUATE COURSES

707 Problems in Special Education:_____. (1-3) A.
718 Special Education Early Childhood Programs. (3) I, II.
765 Language Disorders: Intervention. (3) A.
774 Field Experiences with Exceptional Children. (3) A.
775 Nature and Needs of Exceptional Students. (3) A.
776 Introduction to Special Education Assessment. (3) A.
777 Mental Retardation. (3) A.
778 Behavior Disorders. (3) A.
779 Learning Disabilities. (3) A.
781 Speech for the Hearing Impaired. (3) A.
787 Aural Rehabilitation. (3) A.
790 Behavior Modification in School Settings. (3) A.
791 Instruction of Secondary Learning and Behavior Disordered Students. (3) A.
793 Teaching Students with Learning and Behavior Disorders. (3) A.
800 Exceptional Learners in the Regular Classroom. (3) A.
802 Psychology of Exceptionality. (3) A.
803 Advanced Special Education Assessment. (3) A.
804 Educational Management of Learning and Behavior Disordered Students. (3) A.
805 Roles of Special Education Teachers. (3) A.
806 Educational Management for the Trainable Mentally Handicapped. (3) A.
807 Special Education:_____. (1-3) A.
808 Multihandicapped Hearing Impaired. (3) A.
809 Diagnostic/Prescriptive Teaching of the Hearing Impaired. (3) A.
810 Special Education Leadership and Administration. (3) A.
814 Special Education Consultation and Supervision. (3) A.
816 Practicum in Special Education Administration. (6) A.
820 Language Disorders of Exceptional Children. (3) A.
830 Survey of Education for the Hearing Impaired. (3) A.
832 Advanced Language for the Hearing Impaired. (3) A.
864 Graduate Practicum: Audiology. (1) A.
865 Language Disorders of Learning-Disabled Children. (3) A.
866 Seminar in Pragmatics. (3) A.
867 Advanced Language Assessment. (3) A.
873 Seminar: Articulation Disorders. (3) A.
874 Graduate Practicum: Speech-Language Pathology. (1) A.
875 Seminar: Aphasia. (3) A.
876 Seminar: Phonation Disorders. (3) A.
877 Seminar: Fluency Disorders. (3) A.
878 Cleft Palate and Cerebral Palsy. (3) A.
882 Reading, Curriculum and Academic Subjects for the Hearing Impaired. (3) A.
886 Seminar in Special Education. (3) A.
897 Practicum In Special Education. (3-6) A.
898 Project Development. (3) A.
899 Specialist Project. (3) A.

COLLEGE OF HEALTH, PHYSICAL EDUCATION, RECREATION, AND ATHLETICS

ROBERT J. BAUGH, Acting Dean

CONTENTS

Intercollegiate Athletics 144
Health Education 145
Physical Education 146
Recreation and Park Administration 149

Contemporary American society's concern for leisure, recreation alternatives, fitness, and healthful living is manifested by the expansion of vocations associated with these human needs and documented by the media's attention to these topics. The College of Health, Physical Education, Recreation, and Athletics has as a central focus the preparation of professionals to serve the public in these areas. Providing opportunities for enjoyment of leisure and the development of skills and habits necessary for full participation in healthful living are equally significant College functions. The utilization of all human resources in a complex technological society demands the full development of human potential.

PHILOSOPHY

The College recognizes the commonalities and interrelationships in an alliance of the disciplines of health, physical education, and recreation, and the area of athletics. In view of this, the college gives emphasis to the human factors involved in movement, mental and physical well-being, leisure, and skilled motor performance. These human factors are inextricably a part of the cognitive, affective, and psycho-motor domains of the human being. The College acknowledges the need for the development and maintenance of a healthy human body that can respond effectively to the increasing demands of an ever-changing multi-faceted society.

PURPOSES

The College of Health, Physical Education, Recreation, and Athletics has the following purposes: (1) to provide a general education program in health, physical education, and recreation that will fulfill the general education needs of Eastern's students; (2) to provide instruction and well designed curriculums for academic majors in health, physical education and recreation in preparing them for professional and pre-professional fields; (3) to organize and maintain a program of intramurals, recreation free-play, and club sports for students, staff, and faculty; (4) to develop and maintain a sound competitive program of intercollegiate athletics; (5) to provide public service throughout the community, region and state; and (6) to encourage and conduct research for improvement of instruction and advancement of knowledge in the professions of health, physical education, recreation, and athletics.

GOALS

The programs in the College of Health, Physical Education, Recreation, and Athletics achieve the following goals:

(1) To provide quality teaching and an atmosphere that is conducive to learning.
(2) To provide a program of academic advising for students majoring in programs within the college.
(3) To provide selected general education courses.
(4) To offer associate, baccalaureate and non-degree programs that meet students' interests and needs.
(5) To offer graduate and non-degree programs that meet students' interests and needs.
(6) To cooperate with other colleges in offering degree programs that meet students' interests and needs.
(7) To provide leisure and academic services to the University.
(8) To provide public services in faculty areas of expertise.
(9) To support and engage in research which contributes to quality teaching and learning, to improvement of various disciplines, and to needed public service.
(10) To promote high level wellness as a way of life.

DEGREE PROGRAMS

Through its departments, the College offers four baccalaureate degree programs and a two-year Associate of Science curricula for undergraduate students. At the graduate level, the College offers Master of Science degrees in physical education, including a sports administration option, and recreation and park administration.

DEGREE REQUIREMENTS

General University requirements described on page 31 in Part Three of this Catalog, as well as specific course requirements set forth in the description of curricula, must be met by students completing associate and baccalaureate programs administered by the College of Health, Physical Education, Recreation, and Athletics. See programs under each department for major and minor requirements. Common to all programs is the Academic Orientation course (CHO 100) of the College of Health, Physical Education, Recreation, and Athletics.

CHO—Health, Physical Education, Recreation, and Athletics Orientation

100 Academic Orientation (1) I. Designed to orient the student to University academic life and provide information on careers and preparation for them. Learning experiences include study of university regulations, college requirements, catalog, registration, career opportunities, and program requirements. Not open to students with more than 30 semester hours.

DEPARTMENT OF HEALTH EDUCATION

The Department provides specialized courses in health education at the graduate and undergraduate level. At the undergraduate level, the Department offers a Bachelor of Science in health education, with an emphasis in school health or community health. A student may major or minor in either emphasis. The graduate courses support the Master of Arts in Education degrees offered in the College of Education with an option in school health and allied health sciences education and the Master of Public Administration degree offered in the College of Social and Behavioral Sciences. The School Health option is designed for teachers certified in the public schools who wish to enrich their educational background or become certified to teach health education in the public schools. The option in allied health sciences education was established in response to the demand for qualified educators in the allied health fields. The intent of the program is to prepare allied health personnel to assume teaching roles in their areas of competencies. In cooperation with the College of Social and Behavioral Science, the Department offers a Community Health Administration option in the Master of Public Administration degree. The purpose of this option is to prepare administrators who have health or health education as a component of their administrative responsibilities. Also, in conjunction with the College of Education, the Department offers two graduate non-degree programs in school health: Rank II (Fifth Year) and Rank I (Sixth Year).

DEPARTMENT OF PHYSICAL EDUCATION

The Department offers two degree programs--the Bachelor of Science in physical education for undergraduate students and the Master of Science in physical education for graduate students.

There are seven options within the Bachelor of Science degree curriculum. Students majoring in physical education may elect the curriculum option most suited to their professional and career goals.

The Master of Science degree in physical education with an option is offered for qualified graduate students. These programs, admission standards, and curriculum requirements are given in the Graduate Catalog.

The Department offers courses for College of Education students who are completing Rank II (Fifth Year) or Rank I (Sixth Year) program in physical education. Courses are also provided for students enrolled in Master of Arts in Education and Specialist in Education degree programs with an option in physical education. For details, refer to the College of Education section of the Graduate Catalog.

DEPARTMENT OF RECREATION AND PARK ADMINISTRATION

The Department offers two undergraduate degree programs and a graduate degree program. The curricula are an interdisciplinary approach to develop students for specific job employment whereby they receive training dealing with communications, human and natural resources, cultural and physical activities, and management skills. The focus is upon planning, organizing, and administering recreation programs and park services in a variety of settings.

The two-year Associate of Science degree program in recreation and park leadership is designed to prepare students for beginning entry level positions. The program requires students to develop practical skills needed for semi-professional recreation employment.

The four-year Bachelor of Science degree program in recreation and park administration is designed to prepare students for beginning supervisory and administrative roles in recreation and park agencies. Major core and supporting interdisciplinary course requirements prepare students in knowledge and techniques essential to leadership in recreation administration. The major requires students either to complete a minor in a related field or an option program that is most suited to their professional and career goals.

The graduate Master of Science degree program in recreation and park administration offers concentrated study and practical participation with an opportunity to focus upon administration, camping and outdoor recreation or therapeutic recreation. See the Graduate Catalog for details.

A minor in recreation and park administration is offered to students majoring in other disciplines which will help prepare them for employment with recreation agencies in positions as park rangers, park planners, and commercial recreation leaders.

PLANNED CURRICULUM

Upon completion of 60 hours, a planned curriculum (which specifies the remaining graduation requirements) must be initiated by consulting the faculty advisor in the major department. Teaching majors must have been admitted to the Teacher Education Program prior to the preparation of a planned curriculum. Any subsequent change in the planned curriculum is proposed on forms available in the office of the advisor.

APPLICATION FOR GRADUATION

Students must file an application for graduation in the dean's office no later than April 30 for December graduation and no later than October 31 for either May or August graduation. It will be the student's own responsibility to plan and register for the proper courses to meet all graduation requirements.

GRADUATE COURSE CREDIT

Courses numbered in the 500 series are open to seniors who meet course and program prerequisites. Additional appropriate experiences are required of all graduate students enrolled in the 700 series. Courses numbered in the 800 series are open only to graduate students.

INTERCOLLEGIATE ATHLETICS

Donald G. Combs, Athletic Director
Martha Mullins, Asst. Athletic Director

Intercollegiate athletics is an integral part of total College efforts in student development at Eastern. Experiences in athletics contribute immeasurably to the vitality and preparation of men and women for leadership positions in communities, in schools, and in other agencies throughout the Commonwealth and the nation

The University provides 17 varsity sports within the Department of Intercollegiate Athletics. Varsity competition is organized within the National Collegiate Athletic Association, and Ohio Valley Conference.

Eastern historically has been recognized for its competitive teams and its contribution to preparation of coaches, athletes, trainers, and other educational athletic professionals. Its athletes have won many individual national honors, and an impressive number have gone on to compete on national or professional teams

Physical facilities for intercollegiate sport have kept pace with the success of teams. The support of the alumni and the community has proved to be a significant element in the continuing progress of program development.

DEPARTMENT OF

HEALTH EDUCATION

D. Calitri, Acting Chair; Baugh, Bush, Blankenship, Cahill, Erdmann, Higgins, Hissom, Ison, Long, Myers, Ramsdell, Tanara, Thompson, Ward.

The purposes of the Department of Health Education are to provide programs in health education, with a major or minor in school health education and a major or minor in community health education. The Department also teaches Personal and Community Health (HEA 281) as a part of the General Education component for all students.

Health Education

MAJOR, WITH AN EMPHASIS ON SCHOOL HEALTH (TEACHING) (BACHELOR OF SCIENCE)

Major Requirements ..... **30 hours**
HEA 290, 450, 555, and 575; 18 hours from HEA 202 or 302, 203, 315, 345, 375, 380, 390, 590, 592, 593, 595, NFA 201, PHE 315, and ESE 500.
Supporting Course Requirements ..... **4 hours**
BIO 301 and 378.
Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317; EPY 318, ESE 487, 498, and 499.
General Education Requirements ..... **51 hours**
Standard General Education program, excluding course category 13. Refer to Part Three of this Catalog for details on the General Education and University Requirements.
Free Electives ..... **15 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN HEALTH EDUCATION WITH AN EMPHASIS ON SCHOOL HEALTH (TEACHING)

Minor Requirements ..... **21 hours**
HEA 290 and ESE 587, 15 hours from HEA 202 or 302, 203, 315, 345, 375, 380, 390, 555, 590, 592, 593, 595, and NFA 201.

Health Education

MAJOR, WITH AN EMPHASIS ON COMMUNITY HEALTH (NON-TEACHING) (BACHELOR OF SCIENCE)

Major Requirements ..... **40 hours**
HEA 290, 360, 440, 450, 463, 516, and 555; 18 hours from HEA 202 or 302, 203, 315, 345, 375, 380, 498, 590, 592, 593, 595, SOC 353, ESE 587 or 500.
Supporting Course Requirements ..... **10 hours**
BIO 301, BIO 378, NFA 201, and LIB 569.
General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **23 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN HEALTH EDUCATION WITH AN EMPHASIS ON COMMUNITY HEALTH (NON-TEACHING)

Minor Requirements ..... **18 hours**
HEA 290, 315, 360, 450, 516, and 555.

GRADUATE PROGRAMS

The Masters of Arts in Education degree with an emphasis in Allied Health Science Education, School Health Education, and fifth and sixth year non-degree programs in School Health Education are supported by the Department of Health Education. The regulations for these degrees can be found in the College of Education section of the Graduate Catalog. The Department of Health Education offers graduate level courses in support of the Master of Public Administration - Community Health Administration option offered by the Department of Government. The regulations for this degree option can be found in the College of Social and Behavioral Science section of the Graduate Catalog.

Course Descriptions

HEA—Health Education

202 Safety and First Aid. (2) I, II. Accident problems in the home, school, recreation, at work, and on the highways. Lecture and practical instruction in meeting emergencies of all types with emphasis on methods of rescue, breathing, bleeding, poisons, burns, and shock. Credit will not be awarded for both HEA 202 and EMC 102.

203 Respiratory and Circulatory Emergencies (CPR). (1) I, II. Methods involved in the performance of cardio-pulmonary resuscitation, following American Red Cross Modular System. Completion of class certifies student with American Red Cross in CPR-life support. Credit will not be awarded for both HEA 203 and EMC 102.

281 Personal and Community Health. (2) I, II. Study of factors enabling intelligent health decisions as they relate to the physical, mental, and social health of self, family, and community at present as well as the years beyond the college days. Gen. Ed. 19.

290 Foundations of Health Education. (3) II. The history, foundational disciplines, and principles that led to the establishment of health education. The role of health education in the present health care system.

302 Advanced First Aid and Emergency Care. (2) I, II. First aid skills for specialized persons who are responsible for giving emergency care. Skills and knowledge attained provide the essential information for developing the functional first aid capabilities as required by American National Red Cross.

315 Contemporary Health Problems. (3) II. Etiology, effects, remediation, and prevention of selected current health problems. Nature of current health issues and forces which shape them.

345 Drugs, the Individual and Society. (3) I, II. Effect of drug use and abuse on the individual and society. Personal and community approaches for promoting intelligent decision making regarding drugs.

349 Cooperative Study in Public Health. (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in a cooperative placement related to a student's academic studies. Credit varies with hours of employment; one-eight hours per semester or summer. May be retaken to a maximum of 12 credit hours. Minimum 80 hours employment required for each semester hour credit.

360 Community Health Education Process. (3) II. Planning, organizing, delivering, and evaluating the community health education program.

375 Family Life Education. (3) I, II. Biophysical and psychosocial aspects of family living. Development of a wholesome attitude and sound values system towards sexuality and family living for those planning to work in community agencies. Credit will not be awarded for both HEA 375 and CDF 232.

380 Mental Health Education. (3) I, II. Basic needs for mental and emotional wellness. Emphasis in the selection of appropriate activities for promoting mental health through community agencies.

390 Instructor of Standard First Aid and Personal Safety. (1) A. Designed to develop individual teaching techniques for first aid and to provide adequate knowledge and skills for instruction. Successful completion leads to American Red Cross certification as a Standard First Aid and Personal Safety instructor.

391 Instructor of Respiratory and Circulatory Emergencies. (1) A. Prerequisite: HEA 203 or current CPR Certification. A course designed to prepare instructors to teach respiratory and circulatory emergencies (CPR). Certification to teach the American Red Cross CPR (Modular System) and CPR: Race for Life (Modular System) will follow successful completion. Other related pedagogical methods will be explored.

440 Interpersonal Skills in Community Health Education. (1) II. Communication and leadership skills useful to a person in community health education. Theory of and practices in group processes.

450 Interpretation of Health Data. (3) I. Understanding graphical, statistical, and research techniques used in health. Developing competencies in analyzing and interpreting research results. Credit will not be awarded for both HEA 450 and ECO 220, STA 208/209/210, STA 270, PSY 291, PAD/COR 400.

463 Field Experiences in Community Health. (6) II. Offered cooperatively with official and voluntary agencies to seniors. Consists of actual field experiences and training in local and state health agencies with emphasis on application of classroom concepts.

498 Independent Study. (1-3) I, II. Opportunity for individual work on a health problem in a supervised situation. Restricted to students who have demonstrated ability to complete individual endeavors. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

516 Public Health Administration and Laws. (3) II. Consideration given to organizational theory, decision making, leadership, principles of personnel and fiscal control, interpretation of state and local health laws, ordinances, and regulations.

555 Epidemiology. (3) I, II. Factors that affect the occurrence and courses of diseases--causative agents, susceptible hosts, favorable environments, and the effective use of statistical epidemiological methods.

575 Evaluation in Health Education. (3) A. Program evaluation, interpretation of national test results, and the development of measurement skills in health knowledge, attitudes, and practices. Class members construct, administer, and analyze health tests.

590 Health Education: _____. (1-3) A. Study of pertinent problems in health and health education. Includes topics such as: health care delivery, child abuse, teenage pregnancy, community health organizations, elementary school health curriculum, drug education, school health services, health deviations among students, sexually transmitted diseases, etc. May be retaken with advisor approval provided subtitle is different.

592 Human Sexuality. (3) A. Study of the biological, social, and psychological aspects of human sexuality. Directed primarily toward those individuals in situations which require them to assist others in understanding the broad impact of one's sexuality. Emphasis is placed upon student development of logical and reasoned justifications for their own value system.

593 Death and Dying. (3) A. A study of attitudes, behaviors, and issues concerning death and dying. Topics include attitudes and behaviors toward death and dying throughout the life cycle, theology and death, legal aspects of dying, care of the dying, euthanasia, suicide, grief and bereavement, post-mortem care, and death education.

595 Alcohol and Alcoholism. (3) A. A study of cultural attitudes and customs regarding alcohol; biological, psychological, familiar, and sociological impact of alcohol attitudes and behaviors; influences on alcohol choices; problem drinking and alcoholism, including prevention, intervention and treatment.

GRADUATE COURSES

716 Public Health Administration and Laws. (3) II.
755 Epidemiology. (3) I, II.
775 Evaluation in Health Education. (3) A.
790 Health Education: _____. (1-3) A.
792 Human Sexuality. (3) A.
793 Death and Dying. (3) A.
795 Alcohol and Alcoholism. (3) A.
800 Advanced Health Science. (3) A.
807 Health: _____. (1-3) A.
820 Utilization of Health Resources. (3) A.
875 Seminar in Contemporary Health Problems. (3) A.
880 Special Projects in Health. (1-3) A.
897 Thesis. (6) A.
898 Health Care Delivery. (3) A.
899 Practicum In Allied Health Sciences Education. (3) A.

DEPARTMENT OF
PHYSICAL EDUCATION

P. Stanaland, Chair; Adams, Barnard, Barton, Bogue, Chrietzberg, Clifton, Cox, Dawson, Deck, Ferguson, Good, Hart, Holmes, Jennings, Jinks, Kidd, Lichty, Martin, Motley, Mullins, Phillips, Polvino, Sharpless, Taylor.

The Department of Physical Education has two major components: (1) The Professional component with academic programs to prepare students for careers in physical education and (2) the General component to offer basic and lifetime activity courses to the general student population.

PROFESSIONAL PHYSICAL EDUCATION COMPONENT

The Department of Physical Education offers academic programs to prepare students for both teaching and non-teaching positions. The major in physical education has seven different options from which students may choose.

Option I. General background in physical education for the person who does not plan to teach.

Option II. Leads toward secondary school teaching certification.

Option III. Leads toward elementary and secondary school certification.

Option IV. Leads toward certification in athletic training.

Option V. Preparation for positions in sports and physical education in non-school settings.

Option VI. Preparation for specialization or careers in dance.

Option VII. Preparation for positions that require specialization in physical fitness.

Physical Education

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 40 hours

Core

PHE 125, 315, 320, 325, 467, 575; 241 or 340; 410, three hours individual or team sports, and current CPR Certificate at time of graduation.

Each student must complete one of the following options.

Options ..... 15-19 hours

Option I. General (Non-Teaching)
PHE 327, 365, 400, and seven hours of sports skills.

Option II. Secondary Teaching
PHE 365, 400; 300 or 345 or 554; 562, and five hours sports skills.

Option III. K-12 Teaching
PHE 300, 310, 323, 365, 400, 562, and two hours sports skills.

Option IV. Athletic Training
PHE 515, 523, 562, 598, and two hours sports skills.

Option V. Sports Supervision
PHE 327, 400, 470, two hours coaching elective, and three hours sports skills.

Option VI. Dance
PHE 250, 300, 345, 550, 552, and 554.

Option VII. Adult Physical Fitness
PHE 300 or 345 or 554; 327, 333, 470, 562, AHN 240, NFA 201, and REC 411.

Supporting Course Requirements

All options: BIO 171 and 301 ..... **6 hours**

Option IV: for NATA certification, NFA 201; PSY 305 or 314 ..... **6 hours**

Option V: HEA 202, REC 102, REC 406, and three hours from CIS 212, GBU 204, ACC 201 or PUB 530 . **11 hours**

Option VI: THE 110, 200, 220, 285, 300, 310, 311, 320, or 385 ..... **8-11 hours**

Option VII: AHN 240, NFA 201, and REC 411 . **9 hours**

Teacher Education Courses ..... **28-36 hours**

Option II: EDF 102, 202, 317, EPY 318, ESE 466, 498, and 499 ..... **28 hours**

Option III: The above courses from Option II plus ELE 322, 324, and 541 .... **36 hours**

General Education Requirements ..... **49 hours**

Standard General Education program, excluding course categories 13 and 15. Refer to Part Three of this Catalog for details on the General Education and University Requirements.

Free Electives ..... **5-33 hours**

Total Curriculum Requirements ..... **128 hours**

MINOR IN DANCE—NON-TEACHING ..... **18 hours**

PHE 200, 250, 300, 345, 550, 552, and 554.

MINOR IN PHYSICAL EDUCATION—NON-TEACHING ..... **18 hours**

PHE 125, 315, six hours skill classes, and six hours approved by the departmental chair.

ATHLETIC TRAINING CERTIFICATION—NON-MAJOR

Students pursuing majors other than the B.S. degree in physical education may also prepare for the national examination by completing, in addition to the requirements for their degree program, 37 hours of PHE 315, 320, 325, 410, 515, 598, NFA 201, HEA 202, BIO 171, 301, PSY 305 or 314, and PSY 202 or EPY 318; two hours from PHE 261, 360, 362, 420, 511, 512, or 540. PHY 101 and CHE 101 are recommended but not required.

ELEMENTARY PHYSICAL EDUCATION ENDORSEMENT

Undergraduate secondary school physical education majors may become certified for teaching elementary school physical education by completing PHE 300, 310, and 323, a course in curriculum design (ELE 541 recommended), an elementary methods course (ELE 424 recommended), a course in child development (EDF 317 recommended).

Graduate students with a secondary school physical education major may become certified for teaching elementary school physical education by completing PHE 790, 833, ELE 796, ELE 741 or 810, an elementary methods course, and a course in child growth and development.

COACHING ENDORSEMENT

Any student securing teacher certification may complete the requirements for a Coaching Endorsement by taking 11 to 12 hours of HEA 203 or CPR Certification; PHE 315 or 325; 410, 523, and two hours coaching electives.

GRADUATE PROGRAMS

The Master of Science degree in physical education with a sports administration option is offered in the Department of Physical Education. The Master of Arts in Education degree in physical education, fifth and sixth year non-degree programs in physical education, the elementary school physical education endorsement for graduate students, and the Specialist in Education degree in physical education are supported by the Department of Physical Education and can be found in the College of Education section of the Graduate Catalog.

Course Descriptions

PHE—Physical Education

125 Introduction to Physical Education. (3) I, II. Orientation to the profession and its inter-disciplinary bases. Includes introduction of professional leadership, publications, and career opportunities with an investigation of basic movements and their relationship to improvement of motor skills.

200 Heritage of Dance. (3) I, II. Dance as primitive magic and as creative art in contemporary society. Gen. Ed. 07.

214 Lifetime Sports Skills. (3) I, II. Basic knowledge and skill development in carry-over sport activities used throughout life.

220 Team Sports I. (2) I. Basic skills, strategy, rules, officiating, and teaching techniques related to flag football and basketball.

224 Team Sports II. (3) I, II. Basic skills, strategy, rules, officiating, and teaching techniques related to volleyball, soccer/speedball, and track and field.

225 Team Sports III. (2) A. Basic skills, strategy, rules, officiating, and teaching techniques related to field hockey and international team sports.

241 Swimming and Diving. (1) I, II. Prerequisite: HPR 180 and/or 181 swimming or equivalent. To acquaint students with the scope of aquatic activities; develop swimming skills and endurance to intermediate level; gain understanding of fundamental mechanical principles; and basic safety skills.

242 Advanced Lifesaving. (1) I, II. Prerequisite: ability to pass American Red Cross swimming test. Advanced technique of water safety and rescue; American Red Cross Certification awarded to those who qualify.

250 Dance Production and Workshop I and II. (1) I, II. Formerly PHE 350. Dance technique, primarily modern, with opportunities for preparation, technical production, or performance of group dance compositions, culminating in a concert presentation. May be retaken to a maximum of three credit hours.

261 Coaching Baseball. (2) I, II. Theory and practice in coaching the fundamentals of baseball; team offense and defense.

300 Elementary Dance Forms. (3) I, II. Structured and creative movement experiences to include social, folk, square, and contemporary forms for a range of age groups.

305 Individual and Dual Sports I. (3) I, II. Basic skills, strategy, etiquette, rules, and teaching techniques related to tennis, golf, and badminton.

306 Individual and Dual Sports II. (2) A. Basic skills, strategy, etiquette, rules, and teaching techniques related to archery and bowling.

309 Wrestling-Racquetball. (2) A. Basic skills, strategy, rules, and officiating techniques related to wrestling and racquetball.

310 Physical Activity and Child Development. (3) II. Formerly PHE 521. Prerequisite: EDF 317. Understanding of major development and the improvement of human movement through developmental movement activities which are basic to readiness for performance at school.

315 Philosophy and Principles of Physical Development. (3) I, II. Discussion, demonstration, and practice of various methods of developing physical fitness to include the influence of historical and contemporary research on physical education programs.

320 Kinesiology. (2) I, II. Prerequisite: BIO 171. Study of human movement through anatomical, physiological, and biomechanical concepts.

321 Basic Physical Recreation Activities. (2) I, II. Basic physical activities and methods of organization appropriate to the recreational setting.

323 Elementary Physical Education Movement Skills and Learning Domains. (3) I. Prerequisite: PHE 310 or instructor approval. Principles for integration of learning domains with program content in elementary physical education. Study of movement taxonomy, movement analysis, educational games, gymnastics, sports skills, and dance.

325 Physiology of Activity. (3) I, II. Prerequisite: BIO 301. Effects of physical activities on various systems of the human body. 2 Lec/2 Lab.

326 History and Principles: Socio-Cultural Bases of Physical Education. (2) I. Prerequisite: three hours social science. Study of development of principles basic to decision making in multi-cultural physical education programs in historical and contemporary contexts; appreciation of the influence of historical events upon present day physical education.

327 Sport in American Society. (3) II. Impact of sport in American society with attention to relationship of political, economic, ethnic, and institutional forces operating within the phenomenon of sport.

333 Adult Physical Fitness Programs. (3) I. Prerequisites: BIO 171, BIO 301, and junior standing. Practice and study of exercise programs meeting the guidelines of the American College of Sports Medicine (ACSM) for improving body composition and cardiovascular-respiratory function in adults. 2 Lec/3 Lab.

340 Advanced Swimming and Water Safety. (2) I, II. Prerequisite: proficient swimming skill and current advanced lifesaving certification (ARC or YMCA). Advanced swimming skills, water safety, lifeguarding, aquatic management and teaching techniques of swimming. American Red Cross Water Safety Instructor awarded to those who qualify.

341 Synchronized Swimming. (1) I, II. Introduction to and fundamentals of synchronized swimming and aquatic art; technique of water show production. May be retaken to a maximum of two credit hours.

345 Ballet, Modern Dance and Choreography. (3) I. Basic barre work, alignment, center combinations of ballet; modern technique, creative exploration, and choreography.

349 Cooperative Study. (1-8) A. Work in a cooperative placement related to student's academic studies. Satisfactory (S) or Unsatisfactory (U) grade. May be retaken to a maximum of eight hours. A minimum of 80 hours work required for each academic credit.

360 Coaching Basketball. (2) I, II. Theory and practice in coaching the fundamentals of basketball; team offense and defense.

362 Coaching Track and Field. (2) II. Theory and practice in coaching fundamentals involved in track and field.

365 Gymnastics. (3) I, II. Artistic and developmental gymnastics with emphasis on knowledge and skill required for safe, progressive instruction.

370 Practicum in Physical Education. (1) I, II. Overview of physical education teaching through consultation and application; students will experience teaching-learning situations by assisting with various curricular programs. May be retaken to a maximum of three hours credit.

383 Basketball Officiating. (1) II. Technique and skill of officiating, structure of officiating, and relationship between performance, behavior, and the official's duties.

384 Volleyball Officiating. (1) I. Technique and skill of officiating, structure of officiating, and relationship between performance, behavior, and the official's duties.

385 Judging Women's Gymnastics. (1) A. Judging of international gymnastics for women; rules and practical experience in judging compulsory and optional routines.

400 Organization of Recreational Sport Activities. (3) I, II. Theoretical and practical study of intramural recreational sports programming in institutional, agency, and private setting. Laboratory hours assigned. 2 Lec/2 Lab.

410 Care and Prevention of Athletic Injuries. (3) I, II. Prerequisite: BIO 171. Course content incorporates an overview of the mechanism, prevention, management, and rehabilitation of athletic injuries. Practical experiences include the application of supportive techniques to the major joints of the body.

420 Coaching Football. (2) I, II. Theory and practice in coaching the fundamentals of football; team offense and defense.

467 Skill Acquisition. (3) I, II. Practical application of principles of learning and performing motor skills taught in the physical activity environment and the influence of historical events on research in the area of skill acquisition.

470 Internship: Sport Supervision. (1-8) A. Supervised experiences in the directing of sports and physical activities in various settings. May be retaken to a maximum of eight hours.

485 Independent Study. (1-3) I, II. Individual work on a physical education related problem in supervised situation. Restricted to undergraduate physical education major or minor student. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

511 Coaching Field Hockey. (2) A. Theory and practice of coaching fundamentals of field hockey, including skill analysis, strategies, and systems of play.

512 Coaching Volleyball. (2) A. Examination of fundamental skill and strategies, analysis of basic styles of individual and team performance, and management skills necessary for coaching effectiveness.

515 Advanced Techniques of Athletic Training. (3) I, II. Study of specialized athletic training techniques, including use of electrical therapy devices.

523 Psychology of Sport and Coaching. (3) I. Behavioral aspects related to sport, coaching, and the athlete in contemporary society; factors affecting performance in a competitive setting investigated.

540 Coaching Swimming and Diving. (2) A. Prerequisite: PHE 340 or equivalent. Designed to develop a body of knowledge concerning philosophy, rules, strategy, mechanics, and organization involved in developing and administering swimming and diving programs.

550 Advanced Dance Production and Workshop I and II. (1) I, II. Choreography, production, and concert presentation on advanced level. May be retaken to a maximum of two credit hours.

552 History of Dance. (2) A. History of dance from primitive people to the present with special emphasis on the development of American modern dance.

554 Intermediate Ballet, Intermediate Modern Dance and Choreography. (3) A. In depth skill analysis with emphasis on group choreography.

562 Physical Education for the Exceptional Individual. (2) I, II. Principles and practices of adapted physical education emphasizing the nature and needs of exceptional persons. Includes history, recent legislation, growth and development factors, assessments, and individual education plans.

575 Tests and Measurements in Physical Education. (3) I, II. Administration and scoring of tests; evaluation of use of results obtained.

590 Special Topics in Physical Education. (1-4) A. Study of various topics in physical education and sport selected to meet special student needs and interests. May be retaken to a maximum of four hours with advisor's approval provided subtitle is different.

598 Practicum in Athletic Training. (6) A. Supervised athletic training experience in a school, university, or club setting.

GRADUATE COURSES

711 Coaching Field Hockey. (2) A.
712 Coaching Volleyball. (2) A.
715 Advanced Techniques of Athletic Training. (3) I, II.
723 Psychology of Sport and Coaching. (3) I.
740 Coaching Swimming and Diving. (2) A.
750 Advanced Dance Production and Workshop I and II. (I) I, II.
752 History of Dance. (2) A.
754 Intermediate Ballet, Intermediate Modern Dance and Choreography. (3) A.
762 Physical Education for the Exceptional Individual. (2) I, II.
775 Tests and Measurements in Physical Education. (3) I, II.
790 Special Topics in Physical Education. (1-4) A.
798 Practicum in Athletic Training. (6) A.
800 Research in Physical Education/Recreation. (3) I.
820 Administration of Physical Education. (3) I.
821 Physiological Bases of Physical Fitness. (3) I.
822 Sociology of Sport. (3) II.
824 Contemporary and Comparative Physical Education. (3) A.
830 Analysis of Human Motion. (3) II.
831 Laboratory Methods in Exercise Physiology. (3) II.
833 Motor Development. (3) A.
835 Legal Issues in Sport. (3) II.
848 History of Physical Education and Sport. (3) A.
849 Philosophical Bases of Physical Education. (3) I.
851 Equipment and Facilities in Physical Education. (3) I.
852 Motor Learning and Performance. (3) II.
862 Adapted Physical Education. (3) II.
869 Organization and Administration of Athletics. (3) II.
870 Internship in Sports Administration. (1-6) I, II.
875 Seminar in Physical Education. (3) II.
885 Independent Study. (1-3) I, II.
891 Issues in Physical Education. (3) I.
895 Assessment in Physical Education. (3) II.
897 Thesis. (3-6) A.

General Physical Education Component

John M. Deck, Coordinator

Basic Physical Education (HPR 180-181) is the Department's unique contribution to general education, the non-specialized, non-vocational component of education which should be commonly possessed by all. General education is designed to pro-

vide an integrated view of reality in order for the individual to more fully comprehend the external world and function more effectively in a society constantly being changed by technology and science. Appreciating and taking part in some form of creative activity, using leisure hours in a worthy way, and helping the individual further sound physical and mental health, are some of the variety of values which general education strives to achieve.

Recognizing the unity of mind and body, the General Physical Education program is concerned with the students total development through planned experiences, primarily physical in outward manifestation, but mental, emotional, social, and moral in relationships in meanings.

Specifically, the objectives of the General Physical Education program are to help students:

1. Achieve and maintain organic efficiency.
2. Develop an understanding of the basic principles involved in physiological development and maintenance.
3. Develop fundamental physical skills for recreation, safety, survival, self-expression, and esthetic creativity.
4. Acquire knowledge of the rules, strategies, techniques, customs, and historical development of selected recreational sports.
5. Develop attitudes and understanding which lead to acceptance of ethical, moral, and social standards of conduct in competitive-cooperative situations.
6. Develop an appreciation and understanding of the need for and the benefits of regular physical activity in our changing culture.
7. Find healthful, satisfying release from tensions.
8. Utilize leisure hours in a worthy way through satisfying recreational activities that contribute to physical, mental, and emotional well-being.

Course Descriptions

HPR—General Physical Education

180 Basic Physical Education. (1) I, II. A combination of lecture, assigned readings and selected activities includes an interpretation of scientific data regarding the need for and biophysical values of muscular activity. Gen. Ed. 17.

181 Basic Physical Education. (1) I, II. A continuation of HPR 180. May not be taken with HPR 180 during the same semester. Gen. Ed. 18.

Activities
Adapted Physical Education
Advanced Beginning Swimming
Advanced Swimming
Aerobic Walking
American Square Dance
Archery
Badminton
Baitcasting
Basic Ballet
Basic Rock Climbing
Basketball
Beginning Swimming
Body Form and Function
Bowling
Canoeing
Cycling
Dance Bodywork
Dancercise
Fencing
Field Hockey
Flag Football
Folk Dance for Fitness
Golf
Hiking
Intermediate Tennis
Intermediate Swimming
Jazz Dance
Jazz Exercise
Jogging
Lacrosse
Lifetime Fitness
Modern Dance
Physical Maintenance
Racquetball
Rope Jumping
Soccer
Softball
Springboard Diving
Swimming for Non-Swimmers
Tennis
Track and Field
Volleyball
Weight Training

Lifetime Activity Series

The Lifetime Activity Series provides an extension of HPR 180-181. Courses are designed for students interested in either developing advanced skills or learning new skills which may be used during their lifespan. Up to three hours credit may be earned in a semester. May be retaken to a maximum of six hours provided the subtitle is different. A maximum of three hours may be taken in a semester.

Course Descriptions

HPR—Lifetime Activity Series

390 Lifetime Activity Series. (1/2-2) I, II. Prerequisites: HPR 180 and 181 or equivalent. A series of activities suitable for participation throughout life. Includes rules, skills, techniques, and strategies.

DEPARTMENT OF

RECREATION AND PARK ADMINISTRATION

J. McChesney, Chair: Baechtold, Nieland, Ogden, Smith, Stephan.

Programs offered by the department are designed to develop competencies needed for administration, supervision, and leadership of recreational services. They focus upon planning, organizing, and administering recreation programs and park services in a variety of setting.

Students, during their third year of study, who have special interest or strengths in a particular recreation setting, may concentrate more fully in their preparation for employment by electing any one of the following options:

1. Recreation and Park Administration—for individuals interested in public recreation work with cities, counties, or state governments. This option is also for individuals interested in park management and operations of natural resource areas and facilities.
2. Recreation Programming (includes Youth and Voluntary Agency Recreation)—for individuals interested in preparation for employment as a leader or supervisor in one or more of the recreation program areas with a public, private, or voluntary youth serving agency.
3. Therapeutic Recreation (includes Correctional Recreation)—for individuals interested in serving the needs of the atypical in hospitals, institutions, and nursing homes or for indi-

viduals interested in serving incarcerated persons in juvenile centers and correctional agencies.

4. Camping and Outdoor Recreation (includes Interpretive and Outdoor Education)—for individuals concerned with the environment and who desire to work in an outdoor setting as a naturalist, park ranger, or school-camp outdoor education specialist.

5. Commercial Recreation—for individuals interested in employment with profit making enterprises at amusement parks, resorts, and specialized recreation operations.

The baccalaureate degree program in Recreation and Park Administration is fully accredited by the National Recreation and Park Association/American Association of Leisure and Recreation Joint Council on Accreditation.

Both the Bachelor of Science and Master of Science degree programs lead to a degree where graduates are eligible to become certified by the National Council of Therapeutic Recreation Certification or as a Certified Leisure Professional through the national certification program of the National Recreation and Park Association or one of its state affiliates.

It is recommended that all students carefully select their courses in consultation with their faculty advisor to improve their career effectiveness. For the Associate of Science and Bachelor of Science degrees, a minimum grade "C" is required in all REC courses specified for the major. Bachelor of Science degree students are required to document a minimum of 200 hours of recreation leadership experience prior to enrolling for the senior seminar class.

Recreation and Park Administration

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 41 hours
REC 102, 300, 311, 350, 406, 450, 460, 463, 501 and nine hours of advisor approved REC option courses, plus an advisor approved 18 hours supporting minor or one of the below options:

Options

Option in Recreation and Park Administration ..... 18 hours
CIS 212 or CSC 102,; ENG 300 or SPE 300; MKT 300; ACC 201 or 550; plus six hours advisor approved supporting courses.

Option in Recreation Programming ..... 17-18 hours
CIS 212 or CSC 102; IET 322 or 326 or ELE 361; PHE 241 or 242 or 340, 300 and 321; plus six hours advisor approved supporting course.

Option in Therapeutic Recreation ..... 16-17 hours
AHN 200; BIO 171; PHE 241 or 242 or 340, 325; plus six hours advisor approved supporting courses.

Option in Camping and Outdoor Recreation ..... 16-17 hours
CIS 212 or CSC 102; GEO 302; EDF 317 or CDF 245; PHE 241 or 242 or 340; plus six hours advisor approved supporting courses.

Option in Commercial Recreation ..... 18 hours
CIS 212 or CSC 102; MGT 330; ACC 201; MKT 300; plus six hours advisor approved supporting courses.

Supporting Course Requirements ..... 8 hours
HEA 202; SPE 100 or 300; and PSY 202.

General Education Requirements ..... 55 hours
Standard General Education Program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 6-8 hours

Total Curriculum Requirements ..... 128 hours

MINOR IN RECREATION AND PARK ADMINISTRATION

The requirements for a minor in recreation and park administration are:

REC 102, 300, 311, 460, and six additional hours within the recreation curriculum ..... 18 hours

ASSOCIATE OF SCIENCE DEGREE CURRICULA

The two-year Associate of Science degree curriculum is designed to prepare students as a recreation technician or supervisor in a variety of recreation positions. If at the end of two years, students who desire to continue their college education may enter the four-year program.

Recreation and Park Leadership

ASSOCIATE OF SCIENCE

Major Requirements ..... 21 hours
REC 102, 263, 299, 300, 350 and six additional advisor approved hours from 216, 303, 310 and 311.

Supporting Requirements ..... 38-40 hours
HEA 202, SPE 100; PSY 202, IET 322 or 326 or ELE 361; PHE 241 or 242 or 340, 300 or 305, and 321; CHO 100; six hours of English composition*; NAT 101* or any natural science*; HPR 180* and 181*; GSS 142* or SOC 131*; HUM 124* or three hours from any Category 07*; four hours to be met by MIL 101*, 102* or by restricted electives outside major field of study*.

Free Electives ..... 6-8 hours

Total Curriculum Requirements ..... 67 hours

GRADUATE PROGRAMS

The Department of Recreation and Park Administration offers the Master of Science degree in recreation and park administration which makes graduates eligible to become certified by the National Council for Therapeutic Recreation or by the Kentucky Recreation and Park Society Professional Certification Board.

Course Descriptions

REC—Recreation and Park Administration

102 Introduction to Recreation Leadership. (3) I, II. Formerly REC 202. Techniques of leadership in working with individuals in groups in various settings. Methods of organization, guidance, and supervision of program activities.

201 Camp Counseling. (3) I, II. Concentration is on knowledge of the camping movement, leadership, and camp counseling techniques. Practical experiences are required including a weekend overnight.

216 Recreation Methods and Materials in Environmental Education. (3) I. Formerly REC 316. Primary emphasis on learning experiences in the out-of-doors. Urban and rural outdoor environments are surveyed as learning laboratories in a variety of subject-matter areas. Objects of outdoor experiences are developed and field trips are planned.

225 Education for Leisure and Recreative Living. (3) II. Comprehensive study of recreation services and objectives. Visits to observe programs in action. Agency representatives lecture. The role of leisure in a quality life, planning for the new leisure, self motivation toward

constructive use of uncommitted time, and development of knowledge and attitude toward recreative living.

263 Fieldwork I. (2) I, II. Orientation and exploratory on-site practical experience in a recreation and or park agency. Students are required to plan, lead, or direct various activities requiring recreation leadership.

299 Fieldwork II. (2 or 4) I, II. Students work in a recreation and park agency to observe and conduct activities. Through this on-the-job training, students apply and test classroom concepts and develop practical skills.

300 Recreation and Leisure Foundations. (3) I, II. Formerly REC 100. Prerequisite: REC 102 or advisor approval. An in-depth study of the theory and nature of recreation; the impact of leisure on the quality of life for individuals and society; the role of agencies in provision of services; and the professional's role in education for leisure and the building of positive leisure lifestyle(s).

303 Private and Voluntary Agency Recreation. (3) I, II. Comprehensive study of recreation services and objectives. Visits to observe programs in action. Agency representative lecture.

310 Community Recreation. (3) I, II. Formerly REC 410. Systems approach to leisure services, citizen involvement, community planning and development, and agency management through fiscal policies, budgets, and personnel administration. Study of facilities and equipment, leadership techniques and programs.

311 Therapeutic Recreation for Special Populations. (3) I, II. Leisure problems for aging citizens, handicapped individuals, hard-to-reach and delinquent youth, incarcerated individuals, and armed forces personnel. Modification of program activities and settings, uses of community resources, rehabilitation processes, facility management, and financing.

349 Cooperative Study in Recreation and Park Administration. (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in a cooperative placement related to student's academic studies. Credit varies with hours of employment; two or four hours per semester or summer. Minimum 80 hours work required for each semester.

350 Analysis and Supervision of Recreation. (3) II. Assessment of needs, interests, and agency capabilities. Marketing activities, computer applications, and supervision techniques.

406 Planning, Design and Maintenance of Recreation Facilities. (3) I, II. Formerly REC 506. Planning principles and procedures of recreation and park areas. Facilities, design problems, details of structure and equipment, master planning methods, study of standards and trends.

409 Independent Study. (1-3) A. Prerequisite: for majors and minors only and advisor/instructor approval. Independent study of special topics and problems through directed readings and research. May be retaken to a maximum of three hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

411 Therapeutic Recreation Services for the Senior Adult. (3) A. Leisure problems, needs of senior adults, basic terminology, facilities, administrative organization, programming, organizations and agencies for senior adults, and trends.

450 Senior Seminar in Recreation. (3) I. Prerequisites: REC 350 and verification of 150 hours of practical service in a recreation agency or advisor approval. Summation of practicum and professional work requirements and expectations; identification of present trends; library research project delineating ramifications of one issue or trend for the field; preparation and presentation of a speech for a selected group within one's option.

460 Advanced Leadership and Programming. (3) I, II. Comprehensive course in recreation program planning, development, and leadership techniques with individuals and groups. Students plan a one-year program. 2 Lec/2 Lab.

463 Practicum. (8) I, II. Prerequisite: REC 460 or instructor approval. Students work in a recreation agency to observe and conduct activities. Through this training, the student has the opportunity to test concepts developed in regular class work and to develop competencies essential to successful professional recreational leadership.

501 Recreation and Park Administration. (3) I, II. Community organization, administrative practices, legal aspects, recruiting, selecting leaders, personnel practice, and public relations.

511 Therapeutic Recreation Practices and Services. (3) I, II. Prerequisite: instructor approval. Terminology and programming in a therapeutic setting. Modification of leadership techniques and activities adaptation for the ill and handicapped. Field trips to observe programs.

512 Management of Therapeutic Recreation Services. (3) II. The focus is on management concepts as applied to the delivery of therapeutic recreation services and includes: documentation, activity analysis, charting, assessment, liability and legislation. Competencies are developed in marketing for exceptional groups, leisure counseling, and administration.

516 Recreation Environmental Education Programs. (3) II. Prerequisite: REC 216 or instructor approval. Philosophy, policies, and procedures of organizing and conducting school-centered environmental education programs. Emphasis is placed on program services which are year-round, including resident outdoor schools and day services provided by recreation and environmental agencies for school groups. A supervised practical experience is required.

521 Camp Administration. (3) A. Prerequisite: REC 201 or instructor approval. Camp organization, business management, staffing, and program administration for different types of camps. Selection and development of campsites. A supervised practical experience is required.

590 Special Topics:_____. (1-3) A. Identification and study of specialized techniques in recreation leadership, activity skills, operational methods, and services. May be retaken under different workshop title.

GRADUATE COURSES

701 Recreation and Park Administration. (3) I, II.
711 Therapeutic Recreation Practices and Services. (3) I.
712 Management of Therapeutic Recreation Services. (3) II.
716 Recreation Environmental Education Programs. (3) II.
721 Camp Administration. (3) A.
790 Special Topic: _____. (1-3) A.
800 Research in Physical Education/Recreation. (3) I.
809 Independent Study. (1-3) A.
815 Practicum in Recreation. (1-3) A.
825 Philosophy and Trends in Recreation and Leisure. (3) A.
830 Outdoor Recreation Resources and Programs. (3) A.
840 Administrative Processes and Practices. (3) A.
845 Seminar: Problems in Recreation. (1-4) A.
897 Thesis. (6) A.

G

COLLEGE OF LAW ENFORCEMENT

TRUETT A. RICKS, Dean

CONTENTS

Correctional Services 154
Police Studies 158
Traffic Safety Institute 157
Fire and Safety Engineering Technology 155
Security and Loss Prevention 156

The College of Law Enforcement at Eastern Kentucky University exists in response to a changing, dynamic society which demands qualified professional personnel with higher levels of education. The College endeavors to meet this demand within the threefold purpose of the University-teaching, research, and service. The College is composed of the Department of Correctional Services, the Department of Loss Prevention and Safety, and the Department of Police Studies.

PURPOSES

Programs within each department are viewed as an applied inter-disciplinary educational endeavor. The purposes of these programs are:

1. to prepare citizens for productive citizenship roles;
2. to prepare personnel for positions in the private and public safety sectors of society;
3. to prepare personnel for teaching in one of the fields within each departmental area;
4. to conduct research in the broad areas contained within each departmental program; and
5. to provide service programs pertinent to one of the broad areas contained within each departmental program.

Service programs have been made available to governmental agencies, public institutions, and private enterprise.

The College also conducts extended campus classes throughout the central Kentucky area, including Fort Knox, Louisville, and Bowling Green. Such offerings make programs available to various agencies and military personnel. In addition, faculty members frequently provide lecturers for operational programs, professional workshops, professional conferences, and consultant services.

DEGREE PROGRAMS

The College offers degrees at the associate, baccalaureate and masters level. In addition, a joint doctoral degree in education is offered in cooperation with the University of Kentucky with degrees awarded by the University of Kentucky.

At the associate degree level, the college offers programs in business and industrial security, corrections and juvenile services, fire and safety engineering technology, and police administration.

The College offers baccalaureate level programs in corrections and juvenile services, fire and safety engineering technology, police administration, and security and loss prevention.

Graduate offerings in the College include master's degree programs in criminal justice with options in corrections and juvenile services, general studies, loss prevention administration, and police administration.

Courses numbered in the 700 series are open to seniors and graduate students who meet course and program prerequisites. Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduates. Courses numbered in the 800 series are open only to graduate students.

ADMISSION

Students seeking admission to the College of Law Enforcement must meet general University requirements and should indicate their intention to major in a program of the College.

After being admitted to the College, a student will be assigned an advisor who will assist in selecting the proper courses for a planned curriculum leading to the desired degree.

PLANNED CURRICULUM

Upon completion of 60 hours, a planned curriculum (which specifies the remaining graduation requirements) must be initiated by consulting the faculty advisor in the major department. Teaching majors must have been admitted to the teacher education program prior to the preparation of a planned curriculum. Any subsequent change in the planned curriculum is proposed on forms available in the office of the advisor.

DEGREE REQUIREMENTS

General University requirements described on page 31 in Part Three of this Catalog, as well as specific course requirements set forth in the description of curricula, must be met by students completing associate and baccalaureate program administered by the College of Law Enforcement. See program under each department for major and minor requirements. Common to all programs, however, is the Academic Orientation (LEO 100) courses of the College of Law Enforcement.

LEO—Law Enforcement Orientation

100 Academic Orientation. (1) I. Designed to orient the student to university academic life and affords background for career in various areas of potential employment. Included are University regulations and calendar catalog details, registration and preregistration, various job opportunities, and program requirements.

APPLICATION FOR GRADUATION

Students must file an application for graduation in the dean's office no later than April 30 for December graduation and no later than October 31 for either May or August graduation. It will be the student's own responsibility to plan and register for the proper courses to meet all graduation requirements.

All graduate courses offered by the College of Law Enforcement are listed as Criminal Justice (CRJ) and not by the department prefix. Listed below are the graduate courses for all options in the Master of Science degree in Criminal Justice from the College of Law Enforcement.

Course Descriptions

CRJ—Criminal Justice

760 Advanced Criminal Justice Administration. (3) A.
810 Advanced Police Administration. (3) A.
811 Applied Study in Police Administration. (3) A.
812 Police Human Resource Development. (3) A.
815 Loss Prevention Administration. (3) A.

820 Seminar in Juvenile Justice. (3) A.
821 Applied Study in Juvenile Justice. (3) A.
830 Seminar in Criminology and Corrections. (3) A.
831 Applied Study in Corrections. (3) A.
835 Correctional Administration. (3) A.
840 Special Problems in Criminal Law. (3) A.
841 Applied Study in Loss Prevention. (3) A.
846 Legal Issues in Criminal Justice Administration. (3) A.
856 Legal and Ethical Issues in Corrections. (3) A.
857 Criminal Justice Planning. (3) A.
865 Loss Prevention Auditing. (3) A.
866 Law and the Juvenile Justice System. (3) A.
870 Theories of Criminology and Delinquency. (3) A.
875 Social Ecology and the Criminal Justice Systems. (3) A.
888 Research Methodology in Criminal Justice Systems. (3) A.
890 Topical Seminar in Criminal Justice. (1-3) A.
897 Independent Study in Criminal Justice. (3, 6) A.
898 Thesis I. (3) A.
899 Theses II. (3) A.

DEPARTMENT OF

CORRECTIONAL SERVICES

C. Reedy, Chair; J. Fox, Reed, B. Robuck, Scott, Snarr, Wachtel, Wolford.

The Department of Correctional Services offers a multi-disciplinary study of crime and social control by criminal justice and juvenile services agencies. Course offerings also include emphasis on human services and management roles. Through theoretical orientations and practical experience, students are prepared for careers in court services, correctional institutions, community-based programs for adults and juveniles, and related professional areas.

Corrections and Juvenile Services
MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **36 hours**
COR 101,120, 220, 250, 311, 312, 315, 330, 423, 440, 450, plus three hours upper division COR Electives.
Supporting Course Requirements ..... **15 hours**
PSY 202, plus three hours from PSY 300, 308, 314, or 405; SOC 131, plus three hours from SOC 375 or 340; SWK 210.
General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives or Minor ..... **22 hours**
Students may choose elective courses or a minor area of study. Suggested minors are: Police Administration, Psychology, Social Welfare, Sociology.
Total Curriculum Requirements ..... **128 hours**

MINOR IN CORRECTIONS AND JUVENILE SERVICES

A student may minor in Corrections and Juvenile Services by completing COR 101, 120, 250, and nine hours to be selected from COR 220, 310, 311, 312, 330, 423, 450, or six hours from these courses plus three hours from COR 349, 470, or 471.

Corrections and Juvenile Services
ASSOCIATE OF ARTS

Major Requirements ..... **22 hours**
LEO 100, COR 101, 120, 220, 250, 311, 315, 330.
Supporting Course Requirements ..... **39 hours**
PSY 202, SOC 131; six hours of English composition*; nine hours humanities*; six hours natural science*; six hours social science*; PHE 180*, PHE 181*, four hours restricted electives to be met by MIL 101, 202, or 203 and 204 or be electives to be chosen outside the student's major field of study*.
Free Electives ..... **3 hours**
Total Curriculum Requirements ..... **64 hours**

Course Descriptions
COR—Correctional Services

100 Survey of Criminal Justice Systems. (1) A. Formerly COR 105. Examination of police, courts, probation, correctional institutions, and juvenile justice at the local, state, and national levels. Study of organization, staffing, service delivery systems, and funding base; exploration of career opportunities. May not be taken for credit by students who have completed COR or PAD courses.

101 Criminal Justice in a Democracy. (3) A. Cross listed as PAD 101. A general overview of the criminal justice system including a description of the major agencies: police, prosecution, courts, and corrections, and an analysis of their interdependence in the criminal justice process.

120 Introduction to Corrections. (3) A. An introduction to the processes, procedures, and issues in modern corrections. Evolution of the various elements of the juvenile and adult corrections systems.

220 Juvenile and Adult Facilities. (3) A. Prerequisite: COR 120. Facilities, programs, and procedures for detention and incarceration; variations based on age, sex, and offense of residents; social structure of the population; humane control and treatment.

250 Helping Relationships in Corrections. (3) A. Prerequisite: COR 120. Introduction to the problems. procedures, and treatment methods for juvenile and adult programs; techniques of prevention and diversion.

310 The Juvenile and Police. (3) A. Cross listed as PAD 310. Examines the crime control, due process, and helping roles of the police with juveniles. Aids students in applying knowledge and skills and in understanding conflicts among these police roles.

311 Delinquency and the Juvenile Justice System. (3) A. Examines the meaning and causes of delinquency; focuses on the juvenile justice system with special emphasis on juvenile corrections.

312 Family Court Procedures. (3) A. Study of family court procedures and processes, intake, case investigation, types of cases, court demeanor and testimony, state statutes, agency policy.

315 Legal Issues in Corrections. (3) A. An overview of the statutes and court decisions related to corrections. Study of current legal issues and their impact on adult and juvenile procedures.

320 Workshop. (1-3) A. The workshop is designed primarily for inservice personnel and will focus on current problems, issues, and strategies in providing effective services. May be retaken to a maximum of six hours.

322 Institutional Security. (1-3) A. Organization, supervision, and administration of control services, responsibilities and techniques in detention centers and correctional institutions; interface with treatment programs for control purposes.

330 Community Corrections. (3) A. Prerequisite: COR 120. History and philosophy of probation, aftercare, and parole, and other community programs for juvenile and adult clients, function and operation of parole authorities; statutory authorization and function; current trends.

345 Women, Crime and Criminal Justice. (3) A. Cross listed as PAD 345. Review of contemporary issues in female criminality and victimization; analysis of how the women's movement and affirmative action have affected the role of both male and female professional in criminal justice.

349 Cooperative Study in Corrections and Juvenile Services. (1-8) A. Work, under faculty and field supervisors, in placements related to academic studies. One to eight hours credit per semester or summer. Total hours; eight associates fifteen baccalaureate (see note). Minimum 80 hours work required for each academic credit.

400 Applied Criminal Justice Statistics. (3) A. Cross listed as PAD 400. Statistical concepts and procedures for the treatment of Criminal Justice data. Includes: mathematical operations, descriptive statistics, non-parametric and parametric methods, correlation, and hypothesis testing. Credit will not be awarded for both COR 400 and any one of the following: ECO 220, or STA 208/209/210, or STA 270, or PSY 291, or HEA 450, or EPY 842.

423 Topical Seminar:_____. (3) A. Prerequisites: junior standing and departmental approval. Intensive study of selected topics related to corrections and juvenile justice. May be retaken to a maximum of nine hours on different topics.

440 Correctional Administration. (3) A. Prerequisite: COR 120. Concepts of management as applied to adult and juvenile corrections systems. Special emphasis upon organizational structure, planning, decision-making, and directing.

450 Correctional Helping Skills. (3) A. Prerequisite: COR 250. Treatment techniques and processes in adult and juvenile corrections. Emphasis on skill development in interviewing, group processes, and crisis intervention techniques.

460 Independent Study. (1-6) A. Prerequisite: departmental approval. Individual study and/or research on a problem pertaining to correctional services. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

470 Field Experience in Corrections. (3,6,9,12) A. Prerequisite: instructor approval. Field services training designed to broaden the educational experience through appropriate observational and work assignments in governmental and private agencies; correlation of theoretical knowledge with practice in participating agencies. May be retaken to a maximum of 15 hours. (See note).

471 Field Experience in Juvenile Services. (3-15) A. Prerequisite: instructor approval. Field services training designed to broaden the educational experience through appropriate observational and work assignment in governmental and private agencies; correlation of theoretical knowledge with practice in participating agencies. May be retaken to a maximum of 15 hours. (See note).

CRJ 560 Advanced Criminal Justice Administration. (3) A. An analysis of elements within the criminal justice system, interactional processes with each element and between the criminal justice system and other social systems. Credit will not be awarded for CRJ 560 and CRJ 760.

NOTE: A maximum of 15 hours credit earned in Cooperative Study and Field Experience, singularly or combined, may be applied toward graduation.

DEPARTMENT OF

LOSS PREVENTION AND SAFETY

B. Tillett, Chair; Abney, Bogard, Browne, Collins, Hopkins, Koepke, Mann, Ochs.

The Department of Loss Prevention and Safety offers programs in Fire and Safety Engineering Technology, Security and Loss Prevention, and Traffic Safety. At the Associate degree level, the department offers programs in business and industrial security and fire and safety engineering technology. Baccalaureate level programs are offered in security and loss prevention and fire/safety engineering technology. Minors are available in security and loss prevention, fire/safety engineering technology, and traffic safety.

Fire and Safety Engineering Technology

B. Abney, Program Coordinator

Areas of study include life safety and life support; fire prevention, suppression and investigation; fire service administration; industrial loss prevention; industrial risk management and fire protection engineering.

Program offerings include the Bachelor of Science in Fire and Safety Engineering Technology with options in Fire and Arson Investigation, Fire Protection Administration, Fire Protection Engineering Technology, and Industrial Risk Management; the Associate of Arts; the Certificate of Competency, and the Kentucky Basic Emergency Medical Technician Certificate Program.

Fire and Safety Engineering Technology

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 41-48 hours

Core Requirements ..... 25 hours
FSE 100, 101, 120, 225, 305, 310, fours hours from 349, 489, 499, and three hours advisor approved FSE electives.

Options

Fire and Arson Investigation .... 16 hours
FSE 223, 320, 350, 450, 499.

Fire Protection Administration .. 18 hours
FSE 223, 320, 350, 360, 400, 450.

Fire Protection Engineering Technology ..... 20 hours
FSE 201, 221, 322, 360, 410, 412, 499.

Industrial Risk Management .... 23 hours
FSE 201, 221, 301, 320, 322, 410, 412.

Supporting Course Requirements ..... 30-37 hours

Fire and Arson Investigation .... 36 hours
CHE 101 or 111 and CHE 102 or 112; FOR 301, 308; PSY 308; SLP 375; PAD 216; 304, 316, 416; ENG 300.

Fire Protection Administration .. 30 hours
CHE 101 or 111 and CHE 102 or 112; IET 364; POL 376; PSY 319 or 402; SLP 465; TRS 233; ACC 550 or POL 377; ENG 300.

Fire Protection Engineering Technology ..... 37 hours
CHE 101 or 111 and CHE 102 or 112; PHY 201, 202, 503; MAT 124, 224; IET 190 or 191 or ENG 300; EHS 340.

Industrial Risk Management .... 30 hours
CHE 101 or 111 and CHE 102 or 112; SLP 110, and SLP 210 or 465; INS 370 or 372 or 378; EHS 340; PSY 319 or 402; ENG 300; TRS 332.

General Education Requirements ..... 46 hours
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 0-9 hours

Total Curriculum Requirements ..... 128 hours

NOTE: This option (Fire Protection Engineering Technology) does not list sufficient upper division hours to satisfy University requirements. Students should select courses in General Education requirements to satisfy upper division hours.

MINOR IN FIRE AND SAFETY ENGINEERING TECHNOLOGY

The courses required to complete a minor in fire and safety engineering technology include: FSE 100, 120, plus 12 hours of FSE electives. Nine hours must be upper division.

Fire and Safety Engineering Technology

ASSOCIATE OF ARTS

Major Requirements ..... **30 hours**
FSE 100, 101, 120, 201, 221, 223, 225, and nine hours of electives selected from Fire Protection Engineering Technology with advisor approval.

Supporting Course Requirements ..... **22 hours**
LEO 100; six hours of English composition*; three hours general education humanities*; three hours general education social science*; three hours general education natural science*; two hours general education physical education and health*; and four hours restricted electives*.

Free Electives ..... **12 hours**

Total Curriculum Requirements ..... **64 hours**

FIRE AND SAFETY ENGINEERING TECHNOLOGY, CERTIFICATE OF COMPETENCY

The courses required to complete the certificate of competency in fire and safety engineering technology include: FSE 100, 101, 120, 201, 221, 223, 225, 320, 322, 350, 360 or FSE 489.

Total Curriculum Requirements ..... **33-34 hours**

BASIC EMERGENCY MEDICAL TECHNICIAN CERTIFICATION

Meets the Kentucky Department of Human Resources certification requirement: FSE 301.

Total Curriculum Requirements ..... **5 hours**

Course Descriptions

FSE—Fire and Safety Engineering Technology

100 Introduction to Fire Protection Technology. (3) A. Historical and philosophical discussion with review of the life and property conservation functions of federal, state, municipal, and private agencies. Study of legislation, contemporary and future problems, career opportunities, and public fire safety education programs.

101 Fire Prevention Codes and Standards. (3) A. Organization and function of fire prevention programs. Introduction to building codes; fire prevention codes; inspection, surveying, and mapping procedures; engineering solutions for fire hazards; enforcement problems.

120 Chemistry of Fire and Fire Behavior. (3) A. Chemical and physical properties of combustibles; fundamentals of fire investigation; determining point of origin; recognition of ignition sources; residuals of pyrolysis.

201 Designing Building Fire Safety. (3) A. A systems approach to designing building fire safety; the role of design in providing fire safety. The Life Safety Code; the function of and testing of rated building components, evaluating plans for code compliance.

221 Fire Control I. (3) A. Prerequisite: FSE 120 or advisor approval. Introduction to fire protection systems and their relationship to control and extinguishment. Study of extinguishing agents and their application. Concentration on fixed and portable carbon dioxide, dry chemical, dry powder, foam, and halogenated systems.

223 Fire Control Tactics and Strategy. (3) A. Prerequisite: FSE 101. Fireground decisions, tactics, and operations. Decision making for organizing and operations of fire control forces such as manpower, apparatus and equipment guidelines for mutual aid; estimating and use of available fire flow.

225 Legal Aspects of Fire and Loss Prevention Services. (3) A. Crosslisted as SLP 225. A study of legislative and legal decisions relating to personnel practices, employee safety and public protection in Fire, Safety and Loss Prevention services. Emphasizes the legal responsibilities, liabilities, and authority of the practitioner.

301 Emergency Medical Treatment I. (5) A. Effective emergency medical care in a variety of traumatic and medical emergencies. Content developed by the Committee on Injuries of the American Medical Association. Credit will not be awarded for both FSE 301 and EMC 110.

305 Hazardous Materials. (3) A. Study of hazardous materials in transportation, storage, and usage. Chemical properties of hazardous materials relating to specific reaction, engineering controls, pre-emergency planning, combating, coordinating, and controlling a hazardous materials incident.

310 National Electrical Code. (3) A. Study of the National Electrical Code as it relates to fire and life safety. An emphasis is placed on special occupancies and special conditions as utilized in the inspection process.

320 Emergency and Loss Prevention Services Management. (3) A. Crosslisted as SLP 320. An overview of organizational, administrative, and management practices in loss prevention and emergency services. Emphasis on supervision and leadership styles, motivation, morale, and organizational behavior.

322 Fire Control II. (3) A. Prerequisite: FSE 120, 201, or advisor approval. Study of sprinkler systems, automatic fire detection systems, and municipal fire alarm systems.

349 Cooperative Study. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate degree; sixteen, baccalaureate degree. A minimum of 80 hours employment required for each semester hour credit.

350 Arson Investigation. (3) A. Detection of arson and associated crimes; interviewing techniques; preparing for court; coordination of arson investigation with other public and private agencies.

360 Water Supply for Fire Protection. (3) A. Prerequisite: students should complete a college algebra course prior to enrolling. Water at rest and in motion. Bernoulli's and Pascal's theory; water distribution systems, pumps, velocity, discharge friction loss, pump and nozzle pressures required for fire protection. Theory followed by practical application.

400 Fire Service Management. (3) A. A study of environmental management with emphasis on the planning, organizing, and evaluation of contemporary fire protection within the framework of developing specifications for equipment, apparatus and facilities, and developing standard operating procedures for training programs, employee selection and promotion procedures.

410 Fire Prevention and Occupational Safety. (3) A. Implementation of loss prevention techniques and programs. Fire and Safety regulations; compliance with building codes and ordinances; insurance; relationship of occupational safety to fire prevention; economics of employee and property conservation.

412 Occupational and System Safety Management. (3) A. Prerequisite: FSE 410 or instructor approval. Principles and concepts of safety management and system safety. The relationship of safety law, employee management roles, ergonomics, psychological factors in safety motivation, safety reporting systems, risk analysis and identification and research of safety problems.

450 Explosive Materials and Devices. (3) A. A study of the classification and characteristics of explosive materials. The development of bomb safety plans, search plans, operation of homemade devices, evidence and bomb scene preservation.

489 Topical Seminar:_____. (1-3) A. Prerequisite: instructor approval. Development and presentation of research in contemporary methods, techniques, and devices in the field. May be retaken under different topics to a maximum of 12 hours.

499 Practicum. (1-12) A. Prerequisite: departmental approval. Supervised field observation, research and/or experience.

Security and Loss Prevention

P. Collins, Program Coordinator

The Security and Loss Prevention program includes a two year Associate of Arts Degree in Business and Industrial Security, and a Bachelor of Science Degree in Security and Loss Prevention. The Associate of Arts Degree in Business and Industrial Security

is designed to prepare students for supervisory positions in security and loss prevention in both the private and public sector. The Bachelor of Science in Security and Loss Prevention provides a broad and balanced interdisciplinary program of study that will serve to produce an individual who has the capacity to function in a broad range of managerial positions in loss prevention and control.

Security and Loss Prevention
MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **27 hours**
SLP 110, 210, 225, 320, 333, 375, 385, 435, and 465.
Supporting Course Requirements ..... **39 hours**
ACC 201, GBU 204, INS 370 or 378, PSY 201 or 202, FSE 221, 301, 305, 322, 410 and 412, CIS 212, CHE 101 or 111.
General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **7 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN SECURITY AND LOSS PREVENTION

A student may minor in Security and Loss Prevention by completing a minimum of 18 semester hours as follows: SLP 110, 210, 333, 385, 435, and three hours of upper division Security and Loss Prevention electives.

Business and Industrial Security
ASSOCIATE OF ARTS

Major Requirements ..... **21 hours**
SLP 110, 210, 225, 320, 333, 385, and 435.
Supporting Course Requirements ..... **36 hours**
LEO 100*, ACC 201, FSE 301, PSY 201 or 202; six hours of English composition*, three hours general education humanities*, six hours general education social science*, three hours general education natural science*, two hours general education physical education and health*, and four hours restricted electives*.
Free Electives ..... **7 hours**
Total Curriculum Requirements ..... **64 hours**

Course Descriptions
SLP—Security and Loss Prevention

110 Introduction to Security. (3) A. The role of security, its application, and the security individual in modern society including an overview of the administration, personnel and physical aspects of the security field.

210 Security Technology and Hardware. (3) A. An in-depth analysis and hands-on application of security hardware and technology; locks, security storage containers, electronic alarm devices, and alarm systems.

225 Legal Aspects of Fire and Loss Prevention Services. (3) A. Formerly SLP 215. Cross-listed as FSE 225. A study of legislative and legal decisions relating to personnel practices, employee safety and public protection in Fire, Safety and Loss Prevention services. Emphasizes the legal responsibilities, liabilities, and authority of the practitioner.

320 Emergency and Loss Prevention Services Management. (3) A. Formerly SLP 330. Cross-listed as FSE 320. Prerequisite: SLP 110 or instructor approval. An overview of organizational, administrative, and management practices in loss prevention and emergency services. Emphasis on supervision and leadership styles, motivation, morale and organizational behavior.

325 White Collar Crime. (3) A. Cross-listed as PAD 325. An examination of white collar crime in America including their impact and modus operandi.

333 Comparative Security Programs. (3) A. Prerequisite: SLP 225 or instructor approval. Study of security problems and practices in specific areas. Topical subjects would be in bank, campus, hospital and transportation security programs, etc.

349 Cooperative Study. (1-8) A. Prerequisite: department approval. Work, under faculty and field supervisors, in placements related to academic studies. One to eight hours credit per semester. Total hours: eight associate; sixteen baccalaureate. Minimum 80 hours work required for each academic credit.

375 Terrorism/Counterterrorism. (3) A. Cross-listed as PAD 375. A study of domestic, foreign and transnational terrorism, with emphasis on the philosophical bases, organization, equipment and operations of terrorist groups. Role of law enforcement agencies in implementation of anti-terrorist measures is examined.

385 Internal and External Security Controls. (3) A. Evaluation of the major types and causes of internal and external losses that occur in business enterprises. Examination of techniques, motivations and methods used by criminals within and without the business environment.

435 Topical Security Problems. (3) A. Study of specific and current problems within society. Topical subjects include computer security, information security, organized crime, terroristic activities, etc.

445 Field Experience. (3-12) A. Prerequisite: departmental approval. Field training is designed to broaden the educational experience through appropriate observational work assignments in cooperating agencies. May be retaken to a maximum of 12 hours.

455 Independent Study. (1-3) A. Prerequisite: departmental approval. Individual reading and research on a problem or area within the field of security after student consultation with the instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

465 Quantitative Loss Prevention Analysis. (3) A. Concepts and procedures for quantitative loss prevention management techniques. Interpretation and application of loss prevention data and information for policy development and decision making.

TRAFFIC SAFETY INSTITUTE

B. Keopke, Program Coordinator

The primary function of the Traffic Safety Institute is to provide instruction, public service, and research in the broad area of traffic safety. The institute offers a wide range of academic courses relative to the manpower needs within the traffic safety field in both the private and public sector.

MINOR IN TRAFFIC SAFETY (NON-TEACHING)

A student may minor in traffic safety by completing 18 hours from the following courses: TRS 103, 232, 285, 413, plus seven additional hours selected from the following courses: TRS 100, 233, 234, 332, 349, 386, 407, 487, 588.

DRIVER EDUCATION ENDORSEMENT OF ANY SECONDARY TEACHING MAJOR

The requirements for Driver Education Endorsement of any secondary teaching major are: TRS 285, 386, 487, 588.

Course Descriptions

TRS—Traffic Safety

100 Trends in Loss Prevention. (1) A. Study of the development of loss prevention countermeasures to solve safety problems. Educational efforts, law enforcement activities, regulatory programs, and engineering concepts that are presently utilized to reduce accidents and injuries are reviewed.

103 Safety in Personal Transportation. (2) A. Designed to survey the basic concept of safety; including the philosophy and concept of risk, countermeasures, accident proneness and safety instruction; experiences include a personal assessment of safety-related behavior with emphasis on personal forms of transportation.

232 Alcohol - Drugs: Involvement in Traffic Crashes. (3) A. An extensive investigation into traffic-related areas of alcohol and other drugs, their origin, development, use and misuse, and the many complexities that have developed as a direct or indirect result of their abuse. Enforcement of driving under the influence law, chemical testing, and implied consent are examined.

233 Emergency and Defensive Driving Techniques. (3) A. Instruction for drivers in defensive driving techniques and emergency or unusual driving situations. Classroom and practice driving instruction in vehicle handling techniques.

234 Beginning Motorcycle Safety. (3) A. Designed to develop in students the necessary concepts, principles and competencies for use and protection of two wheeled motorized vehicles including minibikes, mopeds and motorcycles. Motorcycles and helmets are provided.

285 Introduction to Driver and Traffic Safety. (3) A. Formerly TRS 385. Designed to provide the concepts, principles, judgment, and performance for safe, efficient use of the highway system. Provided is exposure to a multiple-phased driver education instruction program.

332 Traffic Crash Causation and Investigation. (3) A. A study of the principles of traffic accident causation and techniques used in investigation. Designed to increase the investigator's knowledge and understanding necessary for gathering factual information through investigation as opposed to reporting traffic accidents.

349 Cooperative Education. (1-8) A. Work in placements related to academic studies. One to eight hours credit per semester or summer. A minimum of 80 hours work required for each academic credit.

386 Methods and Educational Media in Driver and Traffic Safety. (3) A. Designed to provide the competencies to organize and instruct driver education utilizing the multi-media system and the simulation system of instruction.

407 Independent Study in Driver and Traffic Safety Education. (1-6) A. Formerly TRS 507. Designed to give the student the opportunity to develop specific competencies by designing and conducting research in the broad area of traffic safety, or by independent reading assignments in the area of traffic safety education. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

413 Current Developments in Driver and Traffic Safety. (3) A. Current problems, issues, trends and developments in traffic safety are reviewed, analyzed and evaluated.

487 Behavioral Approaches to Driver and Traffic Safety. (3) A. Formerly TRS 587. Designed to study, analyze, and develop behavioral objectives applied to driving tack instruction with study and evaluation of individualized learning approaches for programs in driver education.

588 Laboratory Instructional Programs in Driver and Traffic Safety. (3) A. Designed to provide the background, knowledge and competencies to instruct the laboratory phases of the multiple-car driving range and on-street instruction. Provided are experiences related to implementation and administration of such programs.

GRADUATE COURSE

788 Laboratory Instruction Programs in Driver and Traffic Safety. (3) A.

DEPARTMENT OF

POLICE STUDIES

L. Gaines, Chair; Cordner, Cox, Forester, B. Fox, Givan, Nixon, L. Robuck, and Southerland.

The Department of Police Studies offers a wide range of academic courses related to the following major objectives: (1) to provide students with an academic, ethical, and legal foundation for employment opportunities within the criminal justice field; (2) to provide service to individuals and organizations within the criminal justice system; (3) to prepare students for judicial and professional programs; and (4) to conduct research in criminal justice.

Police Administration

MAJOR (BACHELOR OF SCIENCE)

Major Requirements . . . . . 39 hours
PAD 101, 103, 205, 216, 304, 316, 405, 406, 416, and 12 hours PAD electives.

Supporting Course Requirements . . . . . 30 hours
POL 101, POL 332, or POL 333; PSY 202, PSY 308, FOR 301; plus minor requirements*.

General Education Requirements . . . . . 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives . . . . . 4 hours

Total Curriculum Requirements . . . . . 128 hours

*The courses comprising the minor field (18 hours) will be selected with the approval of the advisor and the department chair in the minor field. Students may select a minor in any related field.

MINOR IN POLICE ADMINISTRATION

A student may minor in police administration by completing a minimum of 18 semester hours of the following courses: PAD 101, 103, 216, and nine hours of upper division police administration courses.

Police Administration

ASSOCIATE OF ARTS

Major Requirements . . . . . 27 hours
PAD 101, 103, 205, 216, 304, 316, and nine hours of PAD electives.

Supporting Course Requirements . . . . . 33 hours
POL 101, 332, or 333; PSY 202, FOR 301, six hours of English composition*, 12 hours in general education humanities, social science, and natural science* with at least three hours taken from each area (general education social science courses must be from categories 09, 10, and 11 and general education natural science courses must be from categories 13 and 14; no two courses can be taken from the same category), HPR 180* and HPR 181*, and four hours restricted electives*.

Free Electives . . . . . 4 hours

Total Curriculum Requirements . . . . . 64 hours

Course Descriptions

PAD—Police Administration

101 Criminal Justice in a Democracy. (3) I, II. Cross listed as COR 101. A general overview of the criminal justice systems including a description of the major agencies: police, prosecution, courts, and corrections, and an analysis of their interdependence in the criminal justice process.

103 Foundations of Policing. (3) I, II. Overview of police functions and responsibilities at the local, state, and federal levels. Police operations are examined relative to effectiveness in crime control, delivery of services, and maintenance of order.

205 Police Leadership and Management. (3) I, II. Examines management and supervision in police organizational environments with particular attention given to leadership and motivation theories, personnel evaluation, and organizational communication.

216 Criminal Law. (3) I, II. The nature of the criminal act; the essential elements; theories of responsibility; exculpatory matters; overview of common law offenses; identification of trends in the law.

304 Criminal Investigation. (3) I, II. Fundamentals of criminal investigation, crime scene search and recording, collection and preservation of evidence, scientific aids, modus operandi, sources of information, interviews and interrogation, follow-up and case preparation.

310 The Juvenile and Police. (3) I, II. Cross listed as COR 310. Examines the crime control, due process, and helping roles of the police with juveniles. Aids students in applying knowledge and skills and in understanding conflicts among these police roles.

316 Criminal Evidence. (3) I, II. Overview of criminal trial procedures; classifications of evidence; historical background or Constitutional rights; presumptions, relevance; expert testimony; testimonial privileges; hearsay, confessions; impeachment.

320 Workshop in Law Enforcement. (1-3) A. Designed primarily for in-service law enforcement personnel; focuses on current problems, issues, and strategies in law enforcement. May be retaken to a maximum of six hour credit.

325 White Collar Crime. (3) II. Cross listed as SLP 325. A review and analysis of the upperworld crimes of business and government committed in the course of legitimate occupations and financial activities.

330 Topics in Police Studies. (1-3) A. Examination of a contemporary issue in policing including historical perspective, societal issues, present status, and future development. The police response to a specific problem is the core of this course. Course may be taken one time.

345 Women, Crime and Criminal Justice. (3) A. Cross listed as COR 345. Review of contemporary issues in female criminality and victimization, and an analysis of how the women's movement and affirmative action have affected the role of both male and female professionals in criminal justice.

349 Cooperative Study in Police Administration. (1-8) A. Work, under faculty and field supervisors, in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight associate; fifteen baccalaureate. Minimum 80 hours work required for each academic credit. A maximum of three hours of PAD 349 and 424 can be taken for the major.

350 Comparative Police Organizations. (3) A. Comparative study of foreign police forces at the national, regional, and municipal level. Evolution, mission, organization structures, personnel management, education/training programs, and logistical considerations are emphasized. Examination of regional and global police cooperation.

375 Terrorism/Counterterrorism. (3) A. Cross listed as SLP 375. A study of domestic, foreign, and transnational terrorism, with emphasis on the philosophical bases, organization, equipment, and operations of terrorist groups. Role of law enforcement agencies in implementation of anti-terrorist measures is examined.

390 Predatory Crime and Crime Patterns. (3) A. Examination of selected crime categories including predatory street, conventional property, and sex crimes. Areas of concentration include theoretical and ecological characteristics, victim-offender relationships and crime patterns emphasizing police responses.

400 Applied Criminal Justice Statistics. (3) A. Cross listed as COR 400. Statistical concepts and procedures for the treatment of Criminal Justice data. Includes: mathematical operations, descriptive statistics, non-parametric and parametric methods, correlation, and hypothesis testing. Credit will not be awarded for both PAD 400 and any one of the following: ECO 220, or STA 208/209/210, or STA 270, or PSY 291, or HEA 450, or EPY 842.

401 Organized Crime. (3) A. History, scope, and methods of control of organized crime in America. Emphasis on local, regional, and statewide control of organized crime. Cultural and social implications of the presence of organized crime are examined in depth.

405 Police Administration and Organization. (3) I, II. Critically examines organizational theory and change in the police context. Police administrative functions studied emphasizing planning, budgeting, policy development, and program evaluation.

406 Critical Issues in Criminal Justice. (3) I, II. Examination of the police and criminal justice with an emphasis on problems and trends. This course provides an analytical overview of justice and its response to the needs of society.

410 Human Relations in Policing. (3) A. Theoretical and practical problems and issues in the relationship between police agencies and the total community. Various police-community relations programs are outlined.

416 Laws of Arrest, Search, and Seizure. (3) A. A detailed study of the laws of arrest (including the use of force), search and seizure, emphasizing the constitutional basis, historical development, statutes, and recent court decisions.

424 Field Experience. (3-12) A. Prerequisite: instructor and departmental approval. Maximum of 12 semester hours credit; designed to broaden the educational experience through appropriate observational work assignments. (Intended for pre-service students in non-sworn positions). A maximum of three hours of PAD 424 and PAD 349 can be taken for the major.

460 Independent Study. (1-3) A. Prerequisite: departmental approval. Individual study and/or research on a problem relating to police studies. May be retaken to a maximum of three hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

COLLEGE OF NATURAL AND MATHEMATICAL SCIENCES

DONALD L. BATCH, Dean

CONTENTS

Pre-Engineering Curricula 162
Pre-Forestry Curriculum 162
Pre-Optometry Curriculum 163
Pre-Pharmacy Curriculum 163
Pre-Medical Sciences Programs 163
Mathematics-Physical Science (Teaching) Program 164
Science (Teaching) Program 164
Bachelor of Individualized Studies Program 164
Natural and Mathematical Sciences Courses 165
Gulf Coast Research Laboratory Courses 165
Biological Sciences 166
Chemistry 170
Geology 173
Mathematics, Statistics, and Computer Science 175
Natural Science 180
Physics and Astronomy 181

In cooperation with other colleges of the University, the College of Natural and Mathematical Sciences strives: (1) to provide academic programs in the natural and mathematical sciences leading to master and baccalaureate degrees and to offer courses/programs to prepare students for pre-professional and professional fields; (2) to provide academic specialization for students in the teacher education programs at both the undergraduate and graduate levels; (3) to provide supporting, developmental, and elective courses in the natural and mathematical sciences for all students in the University; (4) to provide academic leadership in mathematics and the sciences and to provide appropriate general education courses, and an interdisciplinary program in general education; (5) to provide a program of academic and career advising for students majoring in programs within the College; (6) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, academic program review and evaluation, and opportunities for professional development; (7) to provide all students enrolled in courses in the natural and mathematical sciences with access to up-to-date laboratory/field equipment and computer assisted instruction on an individualized basis as an extension of natural and mathematical science courses and research efforts; (8) to encourage the development of interdisciplinary programs/courses, both inter- and intra-college in nature; (9) to engage in research to advance knowledge in the natural and mathematical sciences and to enhance the College's primary function of instruction; (10) to serve the local community, region, and the Commonwealth through public service; (11) to support and utilize the University's natural areas as sites for advancement of scientific knowledge in the ecological and environmental disciplines of the natural sciences; and (12) to cooperate with all educational institutions in disseminating information and providing mutual support in attaining the highest possible quality courses and programs in the natural and mathematical sciences.

SCIENCE LEARNING RESOURCE CENTER

The Science Learning Resource Center (SLRC), a division of the College, was established for the purpose of enhancing what the student learns in the classroom via a diverse number of innovative uses of audio-video and computer assisted instruction. Instruction is on an individualized basis and is an extension of the natural and mathematical sciences courses and research efforts. The SLRC, located in the Memorial Science Building, presently contains computer terminals, microcomputers, printers, a small science library, and multiple audio-video equipment and provides students with computer assisted instruction, computer simulations, and audio-video presentations.

DEGREES OFFERED

The College of Natural and Mathematical Sciences offers Bachelor of Arts, Bachelor of Science, and Bachelor of Individualized Studies degree programs.

The Bachelor of Arts is conferred upon students who major in chemistry and geology. The Bachelor of Science is conferred upon students who major in biology, chemistry, computer science, computer science and mathematics, earth science, environmental resources, fisheries management, forensic science, geology, mathematics, mathematics-physical science, microbiology, physics, science, statistics, and wildlife management. The Bachelor of Individualized Studies is offered in cooperation with the College of Arts and Humanities and the College of Social and Behavioral Sciences.

APPLICATION FOR PLANNED CURRICULUM

Students should apply for a planned curriculum to the dean of the College. Students pursuing a baccalaureate degree must have completed at least 60 semester hours of course work and have been accepted by a department in the College as a major in that department before applying for a planned curriculum. The planned curriculum is prepared in consultation with a faculty advisor from the department of the student's major. Any change in the planned curriculum must be approved by the advisor, departmental chair, and the dean of the College.

REQUIREMENTS FOR GRADUATION

Students file an application for graduation in the dean's office. They should apply by the end of April if they will complete degree

requirements in December, by the end of October if they will graduate in May or August. Students are responsible for planning their program and to register for the proper courses so that they will have satisfied all degree requirements at the time they expect to graduate.

DEGREE REQUIREMENTS

General University requirements described on page 31 in Part Three of this Catalog, as well as specific course requirements set forth in the description curricula, must be met by students completing baccalaureate programs administered by the College of Natural and Mathematical Sciences. In addition to the general University requirements, specific requirements for baccalaureate programs in the College of Natural and Mathematical Sciences are as follows.

1. A minimum of 128 hours with an undergraduate grade point average of 2.0 overall and in the major. Thirty of the last 36 hours must be earned at Eastern Kentucky University. This requirement may be waived upon recommendation by the department chair and approved by the dean of the College.

2. Area, major, and minor requirements: Each student must have an area of concentration or a major. Students with a major in a non-teaching certification program are not required to have a minor. A student may have a major with supporting courses in lieu of minor if the student is obtaining teacher certification in biology, chemistry, computer science and mathematics, or mathematics.

In teaching certification programs in earth science and physics, a student must have both a major and a certifiable minor. The minimum number of semester hours in an area of concentration is 48. The minimum number of semester hours for a minor is 18, except that it is 21 with teaching certification.

Students who transfer from another college or university must earn a minimum of six to 12 hours in their area or major at Eastern, the exact minimum to be determined by their advisor. When a minor is required, students must earn a minimum of one course in the minor at Eastern.

While specific requirements for each degree program are found in the appropriate departmental presentation, the Academic Orientation course, NMO 100, is common to all programs.

GRADUATE PROGRAMS

The College of Natural and Mathematical Sciences cooperates with The Graduate School in presenting graduate courses and programs. The Master of Science degree is offered in biology, chemistry, geology, mathematical sciences, and physics. The College of Education offers the Master of Arts in Education degree with options in biology, chemistry, earth science, general science, mathematics, and physics. Eastern Kentucky University and the Department of Biological Sciences, in cooperation with the University of Kentucky and the School of Biological Sciences, offer the joint degree, Doctor of Philosophy. This degree is conferred by the University of Kentucky.

These programs are described in The Graduate School Catalog. Students desiring to pursue one of these programs should consult with The Graduate School and/or with the departmental chair.

COURSE NUMBERING

Courses numbered in the 500 series are open to seniors who meet course and program prerequisites. Additional appropriate experiences are required of all graduate students enrolled in courses in the 700 series. Courses numbered in the 800 series are open only to graduate students.

Pre-Engineering Curricula

There are two pre-engineering curricula offered by the College of Natural and Mathematical Sciences.

In the first curriculum, referred to as the **Two-Two Curriculum,** students spend two years at Eastern and study basic science, mathematics, and courses for their basic education. Students then transfer their credits to the engineering school of their choice. If students choose courses wisely, they can usually graduate after two years of work at the engineering school with a degree in engineering.

TWO-TWO CURRICULUM

Major Requirements ..... **16 hours**
IET 190 or 191, PHY 201, 202, and 221.
Supporting Course Requirements ..... **15 hours**
CSC 174, MAT 124+, 224, and 324.
General Education Requirements ..... **21 hours**
NMO 100, CHE 111, 112, six hours of English composition, one hour from either general education humanities, social science, or natural science, and four hours of restricted electives. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **12 hours**
Total Curriculum Requirements ..... **64 hours**

+ College algebra and trigonometry may be required before admission to MAT 124.

THREE-TWO CURRICULUM

In the second curriculum - the **Three-Two Curriculum** - students spend three years at Eastern and may take two years of work in engineering at Georgia Institute of Technology, University of Kentucky, or Auburn University and get a baccalaureate degree from Eastern in physics or chemistry and an engineering degree from the engineering school. The additional year spent at Eastern allows students to do more work in a science major, thus improving the breadth of their background.

Variations occur depending upon the engineering degree sought and the differing requirements of Georgia Institute of Technology, University of Kentucky, and Auburn University. Inquiries concerning a specific program should be addressed to the pre-engineering advisor, Department of Physics and Astronomy. A program representative of the first two years is given above. The third year curriculum will depend primarily on the undergraduate major sought, either physics or chemistry.

A third option available to a student would be to complete requirements for a baccalaureate degree in physics at Eastern and then to apply to a graduate school in engineering for admission and graduate studies. Many engineering graduate schools actively recruit physics majors who have established a good academic record (better than a "B" average). Scholarships/fellowships which are available and awarded on a competitive basis would pay tuition and most expenses while in graduate school.

Pre-Forestry Curriculum

Arrangements made through the Southern Regional Education Board provide for students who wish to prepare as professional foresters to do the first two years of their work at Eastern Kentucky University and complete their training in two years and one summer at University of Kentucky or any other accredited school of forestry.

Students may elect a three-year program and graduate with a Bachelor of Science degree with a major in biology by transferring 30 semester hours from an accredited school of forestry.

Major Requirements ..... **26 hours**
BIO 131, 141, 211, 315, 328, 335, and 336.
Supporting Course Requirements ..... **42 hours**
AGR 215, CHE 111, 112, CON 221, CSC 171, 174, ENG 300, GLY 108, IET 190 or 191, MAT 121+, PHY 131, SPE 100 or 300, and STA 209 and 210, or 270.
General Education Requirements ..... **43 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **111 hours**

+MAT 109 may be required before admission to MAT 121.

Pre-Optometry Curriculum

Students desiring to enter the competition for admission to an optometry school must complete a minimum of two years of pre-optometry courses. Actually, most successful applicants to schools of optometry complete three years, and many complete baccalaureate degrees before they are admitted. The application deadline for optometry schools is usually in December. A minimum of three years work is required in the optometry school for the Doctor of Optometry (O.D.). Some optometry schools require four years for the O.D., and several universities have graduate programs leading to the M.S. and Ph.D. degrees in addition to programs leading to the O.D.

Requirements for admission to optometry schools vary. Students wishing to enter a pre-optometry program should immediately secure transfer information from the optometry school of their choice and then consult with their pre-optometry advisor.

Courses which students may take to meet requirements for admission to optometry schools should include the following.

Major Requirements ..... **22 hours**
BIO 141, 211, 320, PHY 131, and 132.
Supporting Course Requirements ..... **14 hours**
MAT 107, 108, CHE 361, 366, and PSY 201 or 202.
General Education Requirements ..... **29 hours**
NMO 100, CHE 111, 112, six hours of English composition, three hours social science, HPR 180, 181, and eight hours of restricted electives. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Total Curriculum Requirements ..... **65 hours**

Most optometry schools have established quotas on the number of students that they will accept from each state. Because of this limitation, students must be accepted by the school of optometry and be certified as a resident of the state in which they live. Present circumstances are such that Kentucky residents will stand the best chance for acceptance at the University of Houston, the University of Alabama, and Southern College of Optometry at Memphis, which have contracts with the Commonwealth of Kentucky. Approved students are exempt from the out-of-state tuition charge at the above schools which would normally apply to Kentucky residents.

For residents in Kentucky to be accepted under the Kentucky quota, application must be made directly to one of the three contract schools listed above. A Certificate of Residency will be needed which may be secured from the Executive Director, Council on Public Higher Education, Frankfort, Kentucky 40601. Students from other states should make application to the equivalent board in their state. For further information, the student should consult with the Chair, Department of Physics and Astronomy.

Pre-Pharmacy Curriculum

Students who plan to enter the field of pharmacy may take two years of pre-pharmacy and transfer these credits to a pharmacy school. The courses listed below will meet the requirements of most pharmacy schools. Students wishing to enter the curriculum should determine the admission requirements of the pharmacy school of their choice and after consulting their pre-pharmacy advisor, determine which courses to take.

Major Requirements ..... **31 hours**
BIO 131, 211, 320, CHE 111, 112, 361, 362, 366, and 367.
Supporting Course Requirements ..... **16-21 hours**
ECO 230, MAT 109+, 121, PHY 131, and 132.
General Education Requirements ..... **23 hours**
NMO 100, six hours of English composition; six hours social science, including three hours in course category 10 and three hours in course category 11; HPR 180, 181, and eight hours of restricted electives. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **0-5 hours**
Total Curriculum Requirements ..... **75 hours**

+MAT 109 may be required before admission to MAT 121.

Pre-Medical Sciences

Preparatory Programs

Students who have career interest in medicine, dentistry, veterinary medicine, osteopathic medicine, or podiatry may fulfill general admissions requirements of respective professional schools by pursuing one of several Bachelor of Science degree programs in the Department of Biological Sciences or the Bachelor of Arts degree program in the Department of Chemistry. Programs of study in either department will be concentrated in biology and chemistry but will be complemented with appropriate courses in the humanities, social sciences, and communications. Course work in mathematics and physics will also be required. All students having an interest in the medical field will be assigned an academic advisor who will work closely with them in planning a program of study and assist them with the process of gaining admission to the professional school of their choice.

Biology

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **34-36 hours**
BIO 131, 141, 211, 315, 320, 328 or 348, 490, 514, and two biological sciences elective at the 300-500 level. At least one field course must be included unless otherwise approved by the department chair.
Supporting Course Requirements ..... **34 hours**
CHE 111, 112, 361, 362, 366, 367, MAT 121 or 261+, PHY 131, 132, PSY 201 or 202, and STA 209 and 210, or 270.
General Education Requirements ..... **41 hours**
Standard General Education program, excluding course categories 13, 14, 15, 16, and 19. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **13-15 hours**
Recommended courses: BIO 520, 546, 547, CHE 325, and 570.
Total Curriculum Requirements ..... **128 hours**

+MAT 109 may be required before admission to calculus.

Chemistry

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **30 hours**
CHE 111, 112, 325, 361, 362, 366, 367, 570, and three hours of upper division chemistry electives.

Supporting Course Requirements ..... **13 hours**
MAT 121 or 261; PHY 201 and 202, or PHY 131 and 132; and PSY 201 or 202.

General Education Requirements ..... **47 hours**
Standard General Education program, excluding course categories 14, 15, and 16. PHY 201 or 202 is substituted for HEA 281 for pre-medical and pre-dental students. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **38 hours**
Recommended courses: BIO 141, 211, 315, 320, 348, 546, and 547.

Total Curriculum Requirements ..... **128 hours**

MATHEMATICS—PHYSICAL SCIENCE (TEACHING) PROGRAM

The Area of Concentration in Mathematics-Physical Science (Teaching) is designed to provide students with a broad background, including sufficient depth to allow them to teach in the joint areas of mathematics and physical science. Graduates of this program may be certified by the Kentucky Department of Education to teach any of the following courses: (1) any secondary mathematics course, (2) high school chemistry, (3) high school physics, and (4) secondary courses in physical science, earth science, and integrated science.

Students in this program must complete the required courses in general education and professional education as well as a prescribed core of fifteen semester credit hours in each of the three primary areas of chemistry, mathematics, and physics. Also, the student must choose one of these primary areas to take a minimum of three additional credit hours of work. Students are free to take as many courses above this minimum as may be desired.

Mathematics—Physical Science (Teaching)

AREA OF CONCENTRATION (BACHELOR OF SCIENCE)

Area Requirements ..... **48 hours**
CHE 111, 112, 325, and two hours of upper division chemistry for a total of 15 hours. MAT 121, 122, 214, 223, and 301. PHY 201 and 202, or 131 and 132; 300, and 306 or 308.

The student must select one of the above three disciplines in which to take 18 credit hours. The 18 hours of credit are met by these departments in the following manner. The Department of Mathematics, Statistics, and Computer Science and the Department of Physics and Astronomy require an additional upper division course beyond those listed above. The Department of Chemistry requires CHE 361 and 366 beyond those listed above.

Supporting Course Requirements ..... **4 hours**
CSC 171 and GLY 302.

Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 450 or 451, 498, and 499.

General Education Requirements ..... **45 hours**
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **3 hours**

Total Curriculum Requirements ..... **128 hours**

SCIENCE (TEACHING)

Teaching life sciences, physical sciences, or integrated science is extremely important and holds the opportunity of an exciting career for anyone with a broad interest in the sciences. The Area of Concentration in Science (Teaching) offers a convenient method to become certified to teach courses in these areas. The Area of Concentration in Science (Teaching) is designed to provide students with a general background in the areas of biology, chemistry, earth science, and physics. Students in this program must complete the required courses in general education and professional education as well as a minimum of 48 semester hours in the sciences. These 48 semester hours in the sciences must include the core requirements of 33 hours of specified courses from the fields of biology, chemistry, earth science, and physics. Also included within these 48 hours must be a minimum of 21 hours from one of the sciences in order to qualify the student for a teaching minor in that science.

A student completing the requirements for the Area of Concentration in Science (Teaching) would be certified by the Kentucky Department of Education to teach only in the major(s) (30 hours) or minor(s) (21 hours) disciplines and the integrated science course taught at the secondary classification level. A major or additional minors may be taken with the area of concentration.

Science (Teaching)

AREA OF CONCENTRATION (BACHELOR OF SCIENCE)

Area Requirements ..... **48 hours**

Core (33 hours)
BIO 131, 141, CHE 111, 112, GLY 108, 109; and PHY 131 I and 132, or PHY 201 and 202.

Minor (21 hours)
The student must choose at least one minor: Biology, Chemistry, Earth Science, or Physics. Consult departmental listings for minor requirements. The student must select additional hours in biology, chemistry, earth science, physics or either NAT 300 or SCI 310 total 48 semester hours of academic credit.

Support Course Requirements ..... **4 hours**
CSC 171, MAT 107 or equivalent.

Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 441 or 451, 498, and 499.

General Education Requirements ..... **42 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **6 hours**

Total Curriculum Requirements ..... **128 hours**

Individualized Studies

(BACHELOR OF INDIVIDUALIZED STUDIES)

The Bachelor of Individualized Studies degree (B.I.S.) is a degree given and administered by three colleges: The College of Arts and Humanities, the College of Natural and Mathematical Sciences, and the College of Social and Behavioral Sciences. The program will provide students with a solid liberal arts education and the flexibility to pursue a unique interdisciplinary course of study of their own planning in pursuance of specific intellectual and/or career goals. It is intended further for students whose interests do not coincide readily with one of the traditional majors

and who have the creative and integrative abilities necessary to plan and follow their own programs. A few examples of types of programs which might be pursued are theatre management (combining drama and business), medical illustration (combining biology and art), and other area studies. Refer to the College of Arts and Humanities section of this Catalog for details regarding admission and curricular requirements.

NATURAL AND MATHEMATICAL SCIENCES COURSES

NMO—Orientation

100 Academic Orientation. (1) A. An introduction to the programs of the University and the College. Discussion of how to study, what to consider in choosing a profession, and what career opportunities exist for graduates from the College's programs. Additional topics include University regulations, publications, and support areas. Not open to students with more than 30 semester hours.

CNM—Interdisciplinary

315 Topics in Natural Science General Education: _____ . (3) A. An experimental course designed to be used for general education credit in fulfilling the requirements of course categories 15 and 16 in Area IV.

499 Independent Work. (3-6) A. Prerequisite: CUM. GPA 2.5 up to last semester of program in Bachelor of Individualized Studies degree. Independent research and/or field work required for the program of Bachelor of Individualized Studies degree. Student must have the independent study proposal form approved by the student's B.I.S. Advisory Committee.

500 Interdisciplinary Seminar: _____ . (3) A. In-depth consideration of problems which involve several disciplines. A different problem will be considered each time course is offered. Representatives of various disciplines will participate in instruction. May be retaken to a maximum of six hours.

GRADUATE COURSE

700 Interdisciplinary Seminar: _____ . (3) A.

GULF COAST RESEARCH LABORATORY COURSES (MAR)

Eastern Kentucky University is affiliated with the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. This affiliation provides undergraduate and graduate students with the opportunity to take courses and conduct research in marine sciences at an established, well equipped laboratory located on the Gulf of Mexico. Students electing to study at Gulf Coast Research Laboratory do not pay out-of-state tuition.

The following courses are taught only at Gulf Coast Research Laboratory, Ocean Springs, Mississippi, during the summer. The Laboratory furnishes the staff for course work and research. Applications for the program and additional information are available in the Departments of Biological Sciences, Chemistry, and Geology and in the Division of Natural Areas.

Courses and numbers in parentheses are assigned by the Gulf Coast Research Laboratory.

MAR—Marine Sciences

342 Oceanography I: Physical, Chemical and Geological (Oceanography 251). (5) A. Prerequisites: college algebra and two semesters of inorganic chemistry. Introductory course in oceanography; integration of fundamentals of chemical, geological and physical oceanography.

343 Oceanography II: Marine Biology (Oceanography 252). (5) A. Prerequisite: eight hours of biology. A general introduction to marine biology with emphasis on local fauna and flora.

400 Special Problems in Marine Science (Marine Science 400). A. Prerequisites and credit to be set by Problem Director at the Laboratory. Supervised research on specific problems in all areas of marine science.

501 Marine Botany (Botany 341). (4) A. Prerequisites: ten hours of biology and general botany. A survey of the principal groups of marine algae and maritime flowering plants; their structure, reproduction, distribution, identification, and ecology.

502 Salt Marsh Plant Ecology (Botany 441). (4) A. Prerequisites: ten hours of biology and general botany. Emphasis on the botanical aspects of local marshes. Composition, structure, distribution, and development of coastal marshes.

503 Marine Microbiology (Microbiology 452). (5) A. Prerequisite: general microbiology. Introduction to microorganisms of oceans and estuaries. Course work includes sampling procedures, marine bacteria taxonomy, mineralization, microbial fouling, pollution, and marine animal diseases.

509 Coastal Vegetation (Botany 331). (3) A. Prerequisites: ten hours of biology and general botany. A study of general and specific aspects of coastal vegetation, with emphasis on local examples.

510 Marine Invertebrate Zoology (Zoology 361). (6) A. Prerequisite: 16 hours of zoology. Concentrated study of free-living marine invertebrates of Mississippi Sound and adjacent continental shelf with emphasis on the structure, classification, phylogeny, larval development, and functional processes.

511 Marine Vertebrate Zoology and Ichthyology (Zoology 362). (6) A. Prerequisites: 16 hours of zoology and comparative anatomy. A general study of marine Chordata, with emphasis on the fishes. Identification and classification of fishes stressed in laboratory.

512 Marine Fisheries Management (Zoology 442). (4) A. Prerequisites: ichthyology and fisheries biology. Practical marine fisheries management problems with emphasis on achieving optimum sustainable yield from marine resources; management methods, legal problems, and educational needs of fishing technology.

513 Behavior and Neurobiology of Marine Animals (Zoology 443). (4) A. Prerequisite: 16 hours of zoology and or psychology. A survey of the behavior, neuroanatomy, and neurophysiology of selected marine animals. Emphasis on neural mechanisms underlying their behavior.

514 Parasites of Marine Animals (Zoology 461). (6) A. Prerequisite. general parasitology. Parasites of marine organisms with emphasis on morphology, taxonomy, life histories, and host-parasite relationships. Laboratory includes collecting, staining, mounting, and identification of parasites to the generic level.

515 Aquaculture (Zoology 464). (6) A. Prerequisites: general zoology and invertebrate zoology. Technology, principles, and problems relating to the culture of selected marine and estuarine organisms. Laboratory and field experience for participation in organized mariculture operations and or research.

516 Early Life History of Marine Fishes (Zoology 448). (4) A. Prerequisites: ichthyology, fisheries biology, and ecology. Reproductive strategies and early developmental processes of marine fishes. Role of early stages of fishes in fisheries oceanography, marine ecology, and systematics; methods of sampling, identifying, and rearing fish eggs and larvae.

520 Marine Chemistry (Chemistry 461). (6) A. Prerequisites: 16 hours of chemistry and three to six hours of biology and geology. A study of chemical aspects of ocean ecosystems. Instrumentation includes gas-liquid chromatography, atomic absorption, spectrophotometry.

533 Coastal Marine Geology (Geology 431). (3) A. Prerequisite: six hours of geology. A study of inshore and nearshore geological processes, sedimentation patterns, and landform development.

541 Marine Ecology (Zoology 452). (5) A. Prerequisites: 16 hours of biology, including general botany and invertebrate zoology; analytical chemistry. A study of the relationship of marine organisms to their environment and factors affecting their abundance and distribution.

542 Fauna and Faunistic Ecology of Tidal Marshes (Zoology 447). (4) A. Prerequisite: 16 hours of biology. Survey and discussion of the taxonomy, distribution, trophic relationships, reproductive strategies, and adaptation of tidal marsh animals with emphasis on those occurring in northern Gulf marshes.

550 Marine Science for Teachers I: Basic Techniques (Marine Science Education 431). (3) A. Prerequisite: biology background. Designed to introduce in-service teachers to the study of marine science and to promote the teaching of marine biology at all grade levels.

551 Marine Science for Teachers II: Advanced Studies (Marine Science Education 432). (3) A. Prerequisite: MAR 550. A continuation of the prerequisite course, MAR 550.

GRADUATE COURSES

701 Marine Botany (Botany 341). (4) A.
702 Salt Marsh Plant Ecology (Botany 441). (4) A.
703 Marine Microbiology (Microbiology 452). (5) A.
709 Coastal Vegetation (Botany 331). (3) A.
710 Marine Invertebrate Zoology (Zoology 361). (6) A.
711 Marine Vertebrate Zoology and Ichthyology (Zoology 362). (6) A.
712 Marine Fisheries Management (Zoology 442). (4) A.
713 Behavior and Neurobiology of Marine Animals (Zoology 443). (4) A.
714 Parasites of Marine Animals (Zoology 461). (6) A.
715 Aquaculture (Zoology 464). (6) A.
716 Early Life History of Marine Fishes (Zoology 448). (4) A.
720 Marine Chemistry (Chemistry 461). (6) A.
733 Coastal Marine Geology (Geology 431). (3) A.
741 Marine Ecology (Zoology 452). (5) A.
742 Fauna and Faunistic Ecology of Tidal Marshes (Zoology 447). (4) A.
750 Marine Science for Teachers I: Basic Techniques (Marine Science Education 431). (3) A.
751 Marine Science for Teachers II: Advanced Studies (Marine Science Education 432). (3) A.
801 Special Topics in Marine Science (Marine Science 705). (1-6) A.
802 Seminar (Marine Science 510). (1) A.
804 Special Problems in Marine Science (Marine Science 700). A.

DEPARTMENT OF

BIOLOGICAL SCIENCES

S. Jones, Chair; Batch, Branson, Creek, Cupp, Elliott, Farrar, Frederick, Funderburk, Harley, R. Jones, Keefe, Mardon, Martin, Otero, Ramey, Ritchison, Schuster, Thompson, Varney.

The Department of Biological Sciences provides curricula for five major programs of study which fulfill the requirements for the Bachelor of Science degree: (1) Biology, and Biology-Teaching Option; (2) Environmental Resources; (3) Fisheries Management; (4) Microbiology-Biotechnology Option; and (5) Wildlife Management. The curriculum for each program of study was organized for the presentation of subject matter and laboratory inquiry at three sequential levels of learning: Level I. A common core of courses dealing with organismic biology, cell biology and genetics, developmental biology and mechanisms of integration; Level II. Courses in subject areas of biology to include: genetics, microbiology, physiology, evolution, and ecology that further emphasizes the physiological aspects of organismic biology, molecular, cellular, and population biology; Level III. Advanced courses to develop the biological competency commensurate with the specific major being pursued. Within the diversity of the courses comprising the total curriculum, the specializations of the faculty, and laboratory methodological approaches, students will be provided opportunities for studies in the development of their specific career aspirations.

Reflective of the growth in knowledge in the technology of genetic engineering such as cloning, gene splicing, potential for new biological products, etc., the department offers an option in Biotechnology as part of the Microbiology program. The courses structured for the Microbiology program and the option in Biotechnology will provide the foundations in molecular genetics and the laboratory experience commensurate with entry level positions in the expanding field of biotechnology. For studies beyond the bachelor's degree, the Microbiology program and option, as well as all other programs offered by the department, are sufficiently structured in biology, chemistry, physics, and mathematics to prepare students for advanced studies at the M.S. and/or Ph.D. degree levels of education.

In concert with the needs of the state and nation to provide a cadre of professionally competent teachers, the department has organized a series of biology courses and support courses in chemistry, physics, and mathematics, which in conjunction with the professional component of courses in education, will provide students the opportunity to acquire the competency to teach biology at the secondary level of education. This program of study was designed to produce biologists who desire a career in teaching.

For student research and course instruction in the resources management programs which require an "out-of-doors" laboratory setting, the Department has available, through the University's Division of Natural Areas, a variety of environmental settings such as Lilley Cornett Woods, Spencer-Morton Preserve, and Maywoods Environmental and Educational Laboratory. Additional opportunities for enrichment of the student's program of study, at the undergraduate and graduate levels, are available through the University's affiliation with Gulf Coast Research Laboratory, Ocean Springs, Mississippi, and Upper Cumberland Biological Field Station, Cookeville, Tennessee. Both the Department and the Division of Natural Areas work cooperatively to assist students in attending these laboratories for specialized courses and research in terrestrial and freshwater ecology and marine science.

MINOR IN BIOLOGY

A student may qualify for a minor in biology by completing 21 semester hours of course work as outlined: BIO 131, 141, 211, and nine additional hours selected from those 200 through 500 level courses which are acceptable for degree programs in biology. Biology 211 specified for the minor in biology has prerequisites of Chemistry 111 and 112.

Students who seek a career in teaching in other major areas of the natural sciences may desire certification in biology at the level of preparation of a minor, to enhance their employment opportunities. Teacher certification for a minor in biology will require 21 semester hours of course work as stipulated.

PRE-PROFESSIONAL PREPARATION

Students who have a career interest in either medicine, dentistry, veterinary medicine, osteopathic medicine, or podiatry may fulfill the general admissions requirements of respective professional schools by pursuing one of several major programs available in the Department of Biological Sciences, which will also fulfill the requirements for the Bachelor of Science degree. In addition to specific courses designated in the major that students elect to pursue, if not included in that major, selections from the following courses are recommended: BIO 520, 546, 547, CHE 325, 361, 362, 366, 367, 570, and MAT 121 or 261 + (premedical and predental students who take the recommended courses in biology and chemistry may substitute PSY 201 for HEA 281). For specific course requirements for a major, the student is referred to the curricula for the various majors in the biological sciences.

Students may elect to complete only three years of their program of study, including all General Education requirements, and transfer the first year of academic work from an accredited school of medicine, dentistry, veterinary medicine, osteopathic medicine, or podiatry to complete the requirements for the Bachelor of Science degree. The three year program should include: BIO 131, 141, 211, 315, 320, 348, 490, 514, a biological field course, CHE 111, 112, 325, 361, 362, 366, 367, MAT 121 or 261+, PHY 131, and 132.

+ MAT 109 may be required before admission to calculus.

Courses Acceptable for Programs of Study

All courses offered by the Department of Biological Sciences or equivalent ones are acceptable to meet program requirements except the following courses or equivalent ones, which may not be substituted for specific courses and/or electives: BIO 161, 162, 171, 271, 273, 276, 300, 301, 302, 303, 304, 317, 349, 371, and 378.

GRADUATE PROGRAMS

The Department of Biological Sciences offers the Master of Science degree in Biology and an option in Applied Ecology. A planned curriculum of study may be organized from a variety of courses which provide opportunities for students to develop competencies in subject matter content and a research area as to: ecology and wildlife biology, ecology of freshwater fishes and aquatic biology, ecology of forest and grassland communities, physiological ecology, animal and plant systematics, morphology, animal behavior, biochemistry and physiology of parasites, physiology and cell biology, endocrinology, microbiology, and other special interests in botany and zoology.

The Master of Arts in Education degree with an option in Biology is offered in the College of Education in cooperation with the Department of Biological Sciences. The College of Education in cooperation with other natural science departments participates jointly in the offering of the Master of Arts in Education with an option in General Science.

A Ph.D. program is offered through a joint participation agreement between the School of Biological Sciences at the University of Kentucky and the Department of Biological Sciences at Eastern Kentucky University. To participate in the joint Ph.D. program, the student must have completed the Master of Science degree in Biology at Eastern Kentucky University. The Ph.D. degree will be conferred at the University of Kentucky.

The general requirements for admission to The Graduate School are described under that section in this Catalog, or more detailed requirements are specified in the Graduate Catalog. The Department of Biological Sciences provides specific information in a brochure: *Introduction to Graduate Studies in Biology,* which may be obtained upon request by prospective applicants.

Biology (Teaching)

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 34-36 hours
BIO 131, 141, 211, 315, 320, 328 or 348, 490, 514, and two electives in biology at the 300-500 level, to include a field course unless otherwise approved by the departmental chair.

Supporting Requirements ..... 31-37 hours
CHE 111, 112, 361, 366; 362 and 367, or 330, or 530; MAT 107 or 109 or 121 or 261, PHY 131, PHY 132 or GLY 108; and STA 209 and 210, or 270.

Teacher Education Requirements ..... 28 hours
EDF 102, 202, 317, EPY 318, ESE 441, 498, and 499.

General Education Requirements ..... 43 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... 136-144 hours

Biology

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 34-36 hours
BIO 131, 141, 211, 315, 320, 328 or 348, 490, 514, and two electives in biology at the 300-500 level, to include a field course unless otherwise approved by the departmental chair.

Supporting Requirements ..... 35 hours
CHE 111, 112, 361, 362, 366, 367, MAT 121 + or 261, PHY 131, 132; and STA 209 and 210, or 270.

General Education Requirements ..... 43 hours
Standard General Education program, excluding course categories 13, 14, 15 and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 14-16 hours

Total Curriculum Requirements ..... 128 hours

+MAT 109 may be required before admission to MAT 121 or 261.

Environmental Resources

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 35 hours
BIO 131, 141, 211, 315, 316, 320, 328 or 348, 490, 514, and one course from BIO 335, 336, 340, 355, 381, 522, 553, 558, or 599.

Supporting Requirements ..... 32-33 hours
CHE 111, 112; MAT 107 and 108, or 109; STA 209 and 210, or 270; 15 hours from the following groups of courses, with at least one course from each group, and at least seven hours at the 300-500 level:
Group A—AGR 215, 315, 340, REC 102, 201, 216, 406, 501, 516, 590.
Group B—EHS 280, 300, 330, 335, 340, 360, 370, 410, 425, 440.
Group C—GEO 302, 321, 355, 556, PLA 220, 300.
Group D—GLY 108, 109, 351, 390, 410, 411, 580.
Group E—ANT 201, 330, SOC 235, 410, 450, ECO 230, POL 333, 370, 565, JOU 201, 305, 325, SPE 100, 210.

General Education Requirements ..... 43 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 17-18 hours**

Total Curriculum Requirements ..... 128 hours

**Chosen with advisor's guidance.

Microbiology Biotechnology Option

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 42-43 hours

Microbiology Core
BIO 131 or 141, 211, 315, 320, 328 or 348, 490, 514, 520, 527, 528, 530 or 531, 532, and a field course unless otherwise approved by the departmental chair.

Option

Biotechnology ..... 16 hours
BIO 530 or 531+, 597, 598 or 349; two courses from CHE 325, 530, 570.

Supporting Requirements ..... **36 hours**
CHE 111, 112, 361, 362, 366, 367; one course from CHE 325, 530, 570; MAT 121 + + or 261, PHY 131, 132.

General Education Requirements ..... **43 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **0-7 hours**

Total Curriculum Requirements ..... **128-138 hours**

+ Selection in reference to the Microbiology core.
+ + MAT 109 may be required before admission to MAT 121 or 261.

Fisheries Management

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **56-59 hours**
BIO 131, 141, 211, 315, 316, 320, 328 or 348, 490, 510, 514, 557, 558, 561, 562, 598, and two courses from BIO 335, 341, 355, 518, 524, 525, 542.

Supporting Requirements ..... **31-37 hours**
CHE 111, 112, 361, 366; MAT 107 or 109 or 121 or 261; STA 270, or 209 and 210; PHY 131; two courses from CHE 325, 330 or 530, 362 and 367, 570, PHY 132, GLY 108.

General Education Requirements ..... **43 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... **130-139 hours**

Wildlife Management

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **59-62 hours**
BIO 131, 141, 211, 315, 316, 320 or 342, 328 or 348, 335, 381, 382, 489, 490, 514, 553, 554, 585, 586; one course from BIO 336, 355, 518, 522, 556, 557, 558, 561, 562, 599.

Supporting Requirements ..... **27-33 hours**
CHE 111, 112, MAT 108 or 121 or 124 or 261; STA 270, or 209 and 210; GLY 414 or AGR 215; three courses from CHE 330, 361 and 366, 362 and 367, 570, GLY 108, GEO 355, 556, STA 271, PHY 131, 132.

General Education Requirements ..... **43 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... **129-138 hours**

Course Descriptions

BIO—Biological Sciences

131 General Botany. (4) I, II. Structure and functions of vascular plants and morphology of representatives of the plant kingdom. 2 Lec/4 Lab. Gen. Ed. 13.

141 General Zoology. (4) I, II. Morphology, physiology, comparative anatomy, development, life history, evolution, and diversity of animals. 2 Lec/4 Lab. Gen. Ed. 13.

161 Environmental Plant Science. (3) I, II. The relationship of plants to humans and the environment with emphasis on: nature of plants; current and future problems concerning population growth and food production; environmental impact aspects of herbicides, water, and air pollution. Credit will not be awarded for both BIO 161 and BIO 162 or NAT 101. 2 Lec/2 Lab. Gen. Ed. 13.

162 Environmental Animal Science. (3) I, II. The relationship of animals to humans and the environment with emphasis on body functions; population; disease and health; vanishing species; environmental impact aspects of waste control, pesticides, water, and air pollution. Credit will not be awarded for both BIO 162 and BIO 161 or NAT 101. 2 Lec/2 Lab. Gen. Ed. 13.

171 Human Anatomy. (3) I, II. A study of the basic anatomy of the human body and appropriate correlations with body functions. 1 Lec/4 Lab. Gen. Ed. 13.

211 Principles of Biological Systems. (4) I, II. Prerequisites: BIO 131 or 141, and CHE 112. Cellular structure and function; tissue-organ system levels of organization; reproduction and development; and heredity and evolution. 3 Lec/2 Lab.

271 Advanced Human Anatomy. (3) II. Prerequisites: BIO 171 and departmental approval. An advanced study of human anatomy. Emphasis is placed on the musculoskeletal and nervous systems and their anatomical and functional relationships. 2 Lec/2 Lab.

273 Clinical Microbiology. (4) I, II. Prerequisites: BIO 171, and CHE 105 or 106, or instructor approval. A study of microorganisms as causative agents in diseases of humans with emphasis on differentiation and culture, types of diseases, modes of transmission, prophylactic, therapeutic, and epidemiological considerations. Credit will not be awarded for both BIO 273 and BIO 276. 2 Lec/4 Lab.

276 Medical Microbiology. (5) I. Prerequisite: BIO 211 or instructor approval. Pathogenic bacteria and fungi commonly found in allied health facilities will be examined by typical hospital laboratory procedures with emphasis on identification and epidemiology. Credit will not be awarded for both BIO 276 and BIO 273. 3 Lec/4 Lab.

300 Economic Plants. (3) I, II. Economic consideration of plants as sources of food, medicine, and other by-products; the origin, domestication, general anatomy, and culture of plants; deleterious plants; aspects of aesthetics and effect on society and world events. Gen. Ed. 15/16.

301 Human Physiology. (3) I, II. Functions of human life processes at the cellular, tissue, and organ-system levels of organization with emphasis on homeostatic mechanisms will be considered in this course. Gen Ed. 15/16 and Gen. Ed. 13 with BIO 378.

302 Human Heredity. (3) I, II. This course is the same as BIO 303, except that a laboratory is offered to demonstrate certain aspects of inheritance more thoroughly. A complete description is listed under BIO 303. Credit will not be awarded for both BIO 302 and BIO 303. 2 Lec/2 Lab. Gen. Ed. 15/16.

303 Human Heredity and Society. (3) I, II. Inheritance of human traits, including blood groups, sex and sex-related traits, lethal factors, mental capacities, and metabolic disorders; pedigrees, family traits, and population trends. Credit will not be awarded for both BIO 303 and BIO 302. Gen. Ed. 15/16.

304 Birds of Kentucky. (3) A. Popular consideration of birds of the eastern and central United States with emphasis on birds of Kentucky and especially birds of the local area. Field trips required. 2 Lec/2 Lab. Gen. Ed. 15/16.

311 Microtechnique. (3) A. Prerequisite: BIO 211 or instructor approval. Techniques of preparing plant and animal tissue for microscopic study. 4 Lab.

315 Genetics. (4) I, II. Prerequisite: BIO 211. The physical and chemical basis of heredity and variation. Topics include segregation genetics, nature of genes, cytogenetics, mutation, and statistical procedures. 2 Lec/4 Lab.

316 Ecology. (4) I. Prerequisites: BIO 131 and 141. Basic concepts and principles as applied to the study of organisms or groups of organisms in their interrelations to each other and to their environment. 2 Lec/4 Lab.

317 Conservation of Wildlife Resources. (3) I, II. Introduction to the principles of practices of conservation of plants and animals; requirements and values of wildlife resources; impact of human activities on resources. Gen. Ed. 15/16.

320 Principles of Microbiology. (4) I, II. Prerequisites: BIO 211 and CHE 112, or instructor approval. Formerly BIO 221. A study of bacteria and microorganisms, their morphology, development, and function; techniques of isolation, cultivation and identification; physiology, nutrition, and genetics; role of microbes in medicine, agriculture, and industry. 2 Lec/4 Lab.

321 Communicable Diseases. (3) A. Prerequisite: BIO 211 or 273 or 320 or instructor approval. A study of communicable diseases of humans in allied health care facilities, hospitals, and communities. Topics

include: infectious agents, reservoir, mode of transmission, incubation period, susceptibility, communicability, resistance, prevention, and control methods.

325 Plant Anatomy. (3) A. Prerequisite: BIO 131 or instructor approval. Anatomy and histology of vascular plants, phylogenetic developments, and adaptive modification. 1 Lec/4 Lab.

328 Plant Physiology. (4) II. Prerequisites: BIO 131, 211, CHE 112 or instructor approval. Application of elementary physical and biological principles to the understanding of plant processes involved in the assimilation, metabolism, and regulation of growth and development. 2 Lec/4 Lab.

330 Plant Morphology. (4) A. Prerequisite: BIO 131. Evolutionary morphology and the life histories of vascular and non-vascular plants. 2 Lec/4 Lab.

335 Plant Systematics. (3) II. Prerequisite: BIO 131. Identification, classification, and phylogeny of vascular plants; principles of taxonomy. 1 Lec/4 Lab.

336 Dendrology. (3) I. Prerequisite: BIO 131. Classification, identification, and distinguishing characteristics of families, genera, and species of trees and shrubs in summer and winter conditions; economic importance, ecological characteristics and distributions; vegetation regions of North America. 1 Lec/4 Lab.

340 Marine Biology. (3) II. Prerequisites: BIO 141 and 211. To develop an understanding of marine organisms. The course will include an extended field trip to the Florida Keys and will involve the collection, identification, study of the ecology and life history of marine organisms. 1 Lec/4 Lab.

341 Invertebrate Zoology. (4) A. Prerequisite: BIO 141. Comparative morphology, physiology, development, evolutionary relationship, and life histories of the invertebrate animals. 2 Lec/4 Lab.

342 Comparative Anatomy. (4) I. Prerequisite: BIO 141. Formerly BIO 242. Phylogeny and morphology of the classes of vertebrates. Comparative studies of organs and systems of vertebrate animals based principally on the dogfish, *Necturus*, and cat. 2 Lec/4 Lab.

348 General Physiology. (4) I, II. Prerequisites: BIO 211 and CHE 112. A study of the physical and chemical aspects of mechanisms of function of animals at the organ-system level of organization in relationship to homeostasis, with appropriate laboratory methodology. 2 Lec/4 Lab.

349 Cooperative Study: Biology. (1-8) A. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment required for each semester hours of academic credit.

355 Entomology. (3) A. Prerequisites: BIO 141 and 211. Taxonomy, identification, life histories, physiology, economic importance, methods of control, and collection of insects, with emphasis on local forms. 1 Lec/4 Lab.

371 Neuroanatomy. (4) I. Prerequisite: BIO 171 or instructor approval. Anatomy of the nervous system and the relationships to functions of the systems of the human body. 2 Lec/4 Lab.

378 Human Physiology Laboratory. (1) I, II. Prerequisite or Corequisite: BIO 301. A series of experiments will be presented which will allow students to demonstrate some of the typical physiological processes of animals as these relate to human physiology. 2 Lab. Gen. Ed. 13 with BIO 301.

381 Principles of Wildlife Management. (3) I. Prerequisites: BIO 211 and 316. Basic principles of wildlife management and their application to current problems.

382 Wildlife Techniques. (4) I. Prerequisite or Corequisite: BIO 381. Techniques used in wildlife ecology, emphasizing habitat evaluation and manipulation, population estimation, and management. 2 Lec/4 Lab.

399 Trends in The Biological Sciences. (1-4) A. Prerequisite: instructor approval. A presentation of selected topics in the biological sciences reflective of new developments and current trends in scientific advancement. May be retaken to a maximum of six hours. Gen. Ed. 15/16.

489 Field Studies in Wildlife. (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Field studies designed to enhance the student's wildlife management techniques. Required of all wildlife management majors during the junior or senior year. May be retaken to a maximum of three hours.

490 Biology Seminar. (1) I, II. Prerequisite: junior or senior standing in biology. Students and members of the faculty meet to present, discuss, and exchange ideas on selected topics, based on the scientific literature for the biological sciences.

510 Quantitative Biology. (3) I. Prerequisite. MAT 107 or instructor approval. Statistical analysis of biological data. Students participate in the taking of data and processing data by the use of well-established statistical techniques. 6 Lab-Disc.

514 Evolution. (3) I. Prerequisite: BIO 315 or instructor approval. Processes of organic evolution with emphasis on the theory of natural selection.

518 Parasitology. (3) A. Prerequisite: BIO 211. Principles of parasitology, including basic morphology, classification, life cycle, and host-parasite relationships. 2 Lec/2 Lab.

519 Clinical Parasitology. (3) A. Prerequisite: BIO 211 or instructor approval. To develop an understanding of and an appreciation for those parasites that are of medical importance to the health of humans throughout the world. 3 Lec-Lab.

520 Pathogenic Microbiology. (4) II. Prerequisite: BIO 320 or instructor approval. Studies in the field of advanced clinical microbiology with emphasis on morphology, cultivation, biochemistry, and serological identification of bacterial and mycotic diseases; and aspects of pathogenesis, epidemiology, and control measures of bacterial and mycotic diseases. 2 Lec/4 Lab.

521 Plant Ecology. (3) A. Prerequisites: BIO 131 and 211 or instructor approval. Plant life in relation to natural habitats and environmental factors with emphasis on instrumentation and methodology for ecological studies. 2 Lec/3 Lab.

522 Grasses and Grassland. (3) I. Prerequisite: BIO 316, 335, or instructor approval. Evolution, structure, function and maintenance of grasslands; laboratory sessions on phylogeny, classification and identification of grasses. Emphasis on North American grasses and grasslands with field trips to natural and managed grasslands of Kentucky. 1 Lec/4 Lab.

524 Phycology. (3) A. Prerequisite: BIO 131. Morphology, taxonomy, ecology, and the economic importance of freshwater algae. 2 Lec/2 Lab.

525 Aquatic Plants. (3) A. Prerequisite: BIO 131. Collection, identification, and recognition of the vascular aquatic plants; their structural and functional modifications. 1 Lec/4 Lab.

526 Plant Pathology. (3) A. Prerequisite: BIO 328 or instructor approval. Principles of plant pathology; significance and the nature of plant disease resistance, pathogenesis, and control. 2 Lec/2 Lab.

527 Immunology. (3) A. Prerequisites: BIO 320 and CHE 361 or instructor approval. Characteristics of immune reactions at the molecular level and in vivo. Nature and interactions of antigens and antibodies, and allergic phenomena. 2 Lec/3 Lab.

528 Virology. (3) A. Prerequisite: BIO 320 or instructor approval. Fundamentals of classification, structure, and pathogenesis of viruses. Host-virus interactions and their applications to medicine and industry.

529 Infection Control. (3) A. Prerequisite: BIO 320 or instructor approval. This course is designed to provide an in-depth knowledge of how to perform surveillance in an allied health care facility, with emphasis on guidelines for determining infections, interpretation of clinical data and presenting health related data, and antibiotic utilization studies.

530 Microbial Physiology and Genetics. (3) A. Prerequisites: BIO 315, 320, and CHE 361, or instructor approval. A study of microbial genetics, metabolism, nutrition, and the effects of chemical and physical environments upon microorganisms in their habitat, with emphasis upon microbes of economic, human, and industrial importance.

531 Cell Biology. (3) A. Prerequisites: BIO 211 and CHE 361 or instructor approval. The molecular basis for cellular structure and function will be presented with emphasis on cellular energetics, the regulation of cellular function and cell specialization.

532 Cell Biology Laboratory. (2) A. Pre/Corequisite: BIO 530 or 531 or instructor approval. A laboratory course correlated with BIO 530 or 531. Experiments will be performed on: cellular growth, nutrition, mutagenesis, protein synthesis, receptor affinity and DNA analysis, utilizing techniques of electrophoresis, chromatography, ultracentrifugation, liquid scintillation counting, and cell cultivation. 4 Lab.

542 Natural History of Invertebrates. (3) A. Prerequisite: BIO 141 or instructor approval. Collection, systematics, distribution, behavior, ecology, and life histories of terrestrial and freshwater invertebrates. 1 Lec/4 Lab.

546 Histology. (4) II. Prerequisite: BIO 211. Microscopic anatomy of normal vertebrate cells, tissues, and organs. 2 Lec/4 Lab.

547 Comparative Vertebrate Embryology. (4) II. Prerequisite: BIO 211. Gametogenesis, fertilization, morphogenesis, and organogenesis of the frog, bird, and mammal. Particular emphasis is placed on mammalian development. 2 Lec/4 Lab.

549 Endocrinology. (3) A. Prerequisite: BIO 348 and CHE 361, or instructor approval. A general introduction to the field of vertebrate endocrinology; homeostatic models of endocrine mediated events; functions of major endocrine glands; neuroendocrine mechanisms, and the integrative aspects of hormonal mediated processes. 1 Lec/4 Lab.

550 Animal Behavior. (4) A. Prerequisite: BIO 211. Advanced study of behavior with emphasis on inherited behavioral patterns in relation to the evolution and ecology of animals. 3 Lec/2 Lab.

553 Mammalogy. (3) A. Prerequisite: BIO 316 or 342 or instructor approval. Classification, natural history, field methods, and distribution of mammals. 1 Lec/4 Lab.

554 Ornithology. (3) A. Prerequisite: BIO 211 or instructor approval. Avian biology with emphasis on field identification of local avifauna, anatomy, physiology, ecology, evolution, migration, economic importance, distribution, and behavioral patterns. Early morning field trips required. 2 Lec/4 Lab.

556 Herpetology. (3) A. Prerequisite: BIO 141 or instructor approval. Natural history of the amphibians and reptiles including taxonomy, general ecology, behavior, distribution, breeding and food habits. 2 Lec/3 Lab.

557 Ichthyology. (3) A. Prerequisite: BIO 141. Internal and external morphology, taxonomy, life histories, ecology, and phylogeny of the fishes of North America with emphasis on Appalachian fauna. 6 Lec-Lab.

558 Limnology. (3) A. Prerequisite: BIO 316 or instructor approval. Ecology of lakes and streams with special reference to physical, chemical, and biological factors. Comparative field investigations, methods and instruments of limnological field investigation of lakes and streams. 1 Lec/4 Lab-Disc.

561 Fisheries Biology. (4) A. Prerequisite: BIO 557 or instructor approval. Study of anatomy, life histories, disease, conservation, methods of harvest, economic importance, and ecological interactions of fishes. 2 Lec/6 Lab.

562 Fisheries Management. (4) A. Prerequisite: BIO 557 or instructor approval. Methods of fishcatching in the world, making and setting nets, construction of fish ponds, management of lakes, ponds and streams. The culture of game fishes, fisheries statistics, and field experience. 2 Lec/6 Lab.

585 Regional Wildlife Management and Policy. (3) A. Prerequisite: BIO 316 or 382 or instructor approval. Composition, distribution, and history of wildlife resources in biotic regions of North America with emphasis on land use, population trends, and management policies in each region.

586 Migratory and Resident Wildlife Ecology and Management. (4) II. Formerly covered in part by BIO 587 and 589. Prerequisites: BIO 382, 553, 554 or concurrent enrollment. Advanced study of management and ecology of migratory birds and resident forest, farm, rangeland and wilderness species, both game and non-game. 2 Lec/4 Lab.

597 Instrumentation and Biological Methodology. (2) I. Prerequisite: BIO 211. Methodological approaches and theory of instrumentation applicable to biological research and biomedical technology will be presented, with emphasis on types of electrophoresis, methods of chromatography, spectrophotometric analysis, radiation measurements, radioimmunoassay techniques, and basic biochemical calculations. 4 Lab.

598 Special Problems. (1-3) I, II. Prerequisites: junior or senior standing; students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Independent research in the biological sciences, under the guidance of faculty member, which allows students to design a research problem and make experimental observations and conclusions. May be retaken to a maximum of four hours.

599 Topics in Biological Sciences. (1-6) A. Prerequisites: BIO 211 and instructor approval. Special topics in the biological sciences of current interest to faculty and students will be presented through lecture, discussion, and reports. May be retaken to a maximum of six hours.

GRADUATE COURSES

710 Quantitative Biology. (3) I.
714 Evolution. (3) I.
718 Parasitology. (3) A.
719 Clinical Parasitology. (3) A.
720 Pathogenic Microbiology. (4) II.
721 Plant Ecology. (3) A.
722 Grasses and Grasslands. (3) I.
724 Phycology. (3) A.
725 Aquatic Plants. (3) A.
726 Plant Pathology. (3) A.
727 Immunology. (3) A.
728 Virology. (3) A.
729 Infection Control. (3) A.
730 Microbial Physiology and Genetics. (3) A.
731 Cell Biology. (3) A.
732 Cell Biology Laboratory. (2) A.
742 Natural History of Invertebrates. (3) A.
746 Histology. (4) II.
747 Comparative Vertebrate Embryology. (4) II.
749 Endocrinology. (3) A.
750 Animal Behavior. (4) A.
753 Mammalogy. (3) A.
754 Ornithology. (3) A.
756 Herpetology. (3) A.
757 Ichthyology. (3) A.
758 Limnology. (3) A.
761 Fisheries Biology. (4) A.
762 Fisheries Management. (4) A.
785 Regional Wildlife Management and Policy. (3) A.
786 Migratory and Resident Wildlife Ecology and Management. (4) II.
797 Instrumentation and Biological Methodology. (2) I.
798 Special Problems. (1-3) I, II.
799 Topics in Biological Sciences. (1-6) A.
801 Scientific Literature and Writing in Biology. (2) I.
802 Selected Topics in Biological Sciences. (1-3) A.
806 Aquatic Entomology. (3) A.
812 Cytology and Cytogenetics. (4) A.
816 Biogeography. (3) A.
821 Medical Mycology. (3) A.
825 Plant Morphogenesis. (3) A.
839 Cooperative Study: Biology. (3-6) A.
840 Plant Communities. (3) A.
845 Vertebrate Physiological Ecology. (3) A.
846 Population Ecology. (3) A.
847 Advanced Animal Ecology. (3) A.
848 Environmental Analysis of Aquatic Ecosystems. (3) A.
849 Field Methods in Ecology. (3) A.
850 Dynamics of Ecosystems. (2) A.
890 Graduate Seminar. (1) A.
891 Thesis Research. (1-6) A.

DEPARTMENT OF
CHEMISTRY

H. Smiley, Chair; Baxter, Bendall, Davidson, Fraas, Luts, Meisenheimer, Powell, Reeder, Salyer, Schulz, Stubblefield, Taylor, Thompson.

The Department of Chemistry has undergraduate programs leading to the Bachelor of Science and the Bachelor of Arts degrees in Chemistry and the Bachelor of Science degree in Forensic Science. An option in Biochemistry is available in the Bachelor of Science program.

The Bachelor of Arts degree program constitutes a 30 semester hour major with a maximum of free electives and is designed for students who have an interest in chemistry, but who are not strongly inclined toward the research aspect of the profession. Students acquiring this B.A. in Chemistry are encouraged to use their free electives to develop another area of interest such as a second major or a minor.

The B.A. degree program in Chemistry is particularly well suited for the pre-medical and pre-dental student. The pre-medical and pre-dental advisor can outline a program of study which, with the proper selection of electives, will fulfill all entrance requirements for medical or dental college. In addition, students may elect to complete only three years of this program, including all general education requirements, and use the first year of successful academic work from an accredited school of medicine, osteopathic medicine, dentistry, or podiatry to com-

plete the requirements for this degree. The three-year program should include CHE 111, 112, 325, 361, 362, 366, 367, BIO 141, 211, 315, 320, 348, MAT 109, 121 or 261, PHY 131, 132.

The Bachelor of Science degree program should be pursued by those students desiring to prepare for graduate school or desiring to gain immediate employment in industrial or governmental laboratories. This program requires 43 semester hours of chemistry, and students desiring the B.S. with American Chemical Society certification need to elect six additional hours of advanced chemistry courses. Students may elect to acquire the B.S. degree with an option in Biochemistry. This program requires a year of biochemistry and a minimum of 13 hours of biology in addition to the chemistry core courses, and it will prepare the student for immediate employment or for graduate work in biochemistry.

A student may acquire teacher certification by earning the B.S. with additional courses in education. Thirty-three hours of chemistry are required for this option.

The Bachelor of Science degree in Forensic Science should be pursued by those students interested in a career in a forensic laboratory. The degree requires 30 semester hours of forensic science and 43 semester hours of supporting courses in chemistry, physics, and mathematics. An integral part of the curriculum requirement for this degree is an internship at an affiliated crime laboratory.

Chemistry

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **30 hours**
CHE 111, 112, 325, 361, 362, 366, 367, 570, and three hours of upper division chemistry electives.

Supporting Course Requirements ..... **13 hours**
MAT 121 or 261; PHY 131 and 132, or 201 and 202. It is recommended and expected that pre-medical and pre-dental students in this degree program also take BIO 141, 211, 315, 320, 348, 546, and 547.

General Education Requirements ..... **46 hours**
Standard General Education program, excluding course categories 14, 15, and 16. PSY 201 or 202 is substituted for HEA 281 for pre-medical and pre-dental students. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **39 hours**

Total Curriculum Requirements ..... **128 hours**

Chemistry

MAJOR (BACHELOR OF SCIENCE) OPTION IN BIOCHEMISTRY

Major Requirements ..... **43-44 hours**

Chemistry Core ..... **31 hours**
CHE 111, 112, 325, 361, 362, 366, 367, 471, 472, 473, and 474.

Options

Chemistry ..... **12 hours**
CHE 314, 480, 525, 550, and 565. For ACS certification, the student must elect six additional hours of advanced chemistry courses.

Biochemistry ..... **13 hours**
BIO 531, 532, CHE 530, and 531.

Supporting Course Requirements ..... **19-27 hours**

Chemistry ..... **19 hours**
MAT 121, 122, 223, PHY 201, and 202. For the ACS certified degree a reading knowledge of German or Russian is required. Completion of GER 203 or RUS 202 with a grade of "C" satisfies the requirements. A year of foreign language is recommended.

Biochemistry ..... **27 hours**
BIO 211, 315, or 320, MAT 121, 122, 223, PHY 201, and 202.

General Education Requirements ..... **43-46 hours**
Standard General Education program, excluding course categories 14, 15, and 16 (Chemistry) and course categories 13, 14, 15, and 16 (Biochemistry).

Free Electives ..... **14-20 hours**

Total Curriculum Requirements ..... **128 hours**

Chemistry (Teaching)

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **33 hours**
CHE 111, 112, 325, 361, 362, 366, 367, 570, and six hours of upper division chemistry courses.

Supporting Course Requirements ..... **13 hours**
MAT 121; PHY 201 and 202, or 131 and 132; and one year of foreign language is recommended.

Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 451, 498, and 499.

General Education Requirements ..... **46 hours**
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **8 hours**

Total Curriculum Requirements ..... **128 hours**

Forensic Science

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **30 hours**
FOR 411, 412, 451, 495+, eight hours of 400 level FOR electives, PAD 216, and 316.

Supporting Course Requirements ..... **43 hours**
CHE 111, 112, 325, 361, 362, 366, 367, 570, three hours upper division CHE electives, MAT 121 or MAT 261; and PHY 131 and 132, or PHY 201 and 202.

General Education Requirements ..... **46 hours**
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **9 hours**

Total Curriculum Requirements ..... **128 hours**

+May be retaken to a maximum of 12 hours, but only six hours are counted toward the major requirements.

MINOR IN CHEMISTRY

A student may minor in chemistry by completing CHE 111, 112, 361, 366, and four hours of upper division chemistry courses chosen from the following courses: CHE 325, 330, 362, 367, 471, 472, 473, 474, 570. Students desiring to acquire a minor in chemistry for teaching certification need a total of 21 semester hours of chemistry. The student should complete CHE 111, 112, 361, 366, and seven additional hours from those courses listed above.

GRADUATE PROGRAMS

The Department of Chemistry offers the degree of Master of Science with a major in Chemistry.

The Master of Arts in Education degree with an option in Chemistry is offered in the College of Education with the cooperation of the Department of Chemistry. The regulations for the degree program can be found in the College of Education section of this Catalog.

Course Descriptions

CHE—Chemistry

090 Basic Skills in Chemistry. (2) Institutional Credit. I. Designed to provide fundamental skills required for chemistry. Emphasis placed on computational skills and basic concepts.

100 Molecules and Modern Society. (3) A. No credit for major or minor in chemistry. Survey course for non-science majors. A study of carbon-containing chemicals in the essential areas of food, clothing, housing, and health. Gen. Ed. 15/16.

101 General Chemistry I. (4) I, II. For students who will take only one year of chemistry. Chemical bonding, structure of matter, chemical equilibrium, and descriptive inorganic chemistry. Credit will not be awarded for both CHE 101 and CHE 105 or CHE 111. 3 Lec/2 Lab. Gen. Ed. 14.

102 General Chemistry II. (5) I, II. Prerequisite: CHE 101. Continuation of CHE 101, emphasis on elementary organic chemistry, biochemistry, and industrial chemistry. Credit will not be awarded for both CHE 102 and CHE 106. 3 Lec/1 Rec/2 Lab. Gen. Ed. 15/16.

105 Chemistry for the Health Sciences I. (4) I, II. An introductory course for students in Allied Health. Principles of bonding, structure and reactivity related to biological processes. Credit will not be awarded for both CHE 105 and CHE 101 or CHE 111. 3 Lec/2 Lab. Gen. Ed. 14.

106 Chemistry for the Health Sciences II. (4) I, II. Prerequisite: CHE 105. Continuation of CHE 105 with emphasis on biochemical compounds. Credit will not be awarded for both CHE 106 and CHE 102 or CHE 330. 3 Lec/2 Lab. Gen. Ed. 15/16.

111 Introductory Chemistry I. (4) I, II. Designed to prepare student for further study in chemistry. Nomenclature, structure of matter, stoichiometry, chemical bonding, chemical change. Credit will not be awarded for both CHE 111 and CHE 101 or CHE 105. 3 Lec/2 Lab. Gen. Ed. 14.

112 Introductory Chemistry II. (5) I, II. Prerequisite: CHE 111. Continuation of CHE 111. Coordination compounds, descriptive inorganic chemistry, solution chemistry and analytical chemistry. A grade of "C" or better in CHE 111 is strongly recommended for enrollment in CHE 112. 3 Lec/4 Lab. Gen. Ed. 15/16.

314 Chemical Literature. (1) A. Formerly CHE 514. Prerequisite. CHE 361. Introduction to the use of fundamental abstracts, journals, handbooks, review series, and computer searches.

325 Quantitative Analytical Chemistry. (4) A. Prerequisite: CHE 112. Introductory course in gravimetric, volumetric, colorimetric, and electrometric analysis, including the interpretation of chemical data and calculations. 2 Lec/6 Lab.

330 Introductory Biochemistry. (3) A. Prerequisite: CHE 102 or CHE 361 and 366 or departmental approval. Not open for non-teaching chemistry majors. Compounds and reactions of biological and nutritional importance. Amino acids, proteins, lipids, carbohydrates, vitamins, enzyme systems, digestion, absorption, pathways. Credit will not be awarded for both CHE 330 and CHE 106. 2 Lec/2 Lab.

346 Clinical Chemistry. (6) II. Cross listed as CLS 346. Prerequisites: CHE 325 and 361. An introduction to the theory and laboratory techniques of clinical chemistry with emphasis on applied instrumentation. 3 Lec/6 Lab.

349 Cooperative Study: Chemistry. (1-8) A. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment required for each semester hour of academic credit.

361 Organic Chemistry I. (4) I, II. Prerequisite: CHE 112. Corequisite: CHE 366. Bonding; structure; reaction theory; aliphatic hydrocarbons; functional groups; stereochemistry; aromatic hydrocarbons; spectroscopy; substitution and elimination reactions.

362 Organic Chemistry II. (4) I, II. Prerequisites: CHE 361 and 366. Corequisite: CHE 367. Alcohols and ethers; aldehydes and ketones; carboxylic acids and derivatives; carbanions; amines; phenols; carbohydrates and amino acids.

366 Organic Chemistry Laboratory I. (1) I, II. Corequisite: CHE 361. Formerly first half of CHE 365. Experimental work to illustrate principles of organic chemistry. Basic techniques and selected syntheses. A withdrawal from CHE 366 must be matched by a withdrawal from CHE 361. 3 Lab.

367 Organic Chemistry Laboratory II. (1) I, II. Formerly second half of CHE 365. Prerequisites: CHE 361 and 366. Corequisite: CHE 362. Experimental work to illustrate principles of organic chemistry. Selected synthetic techniques and advanced techniques such as separation and identification. A withdrawal from CHE 367 must be matched by a withdrawal from CHE 362. 3 Lab.

397 Elementary Glass Working. (1) A. Instruction and practice in the basic techniques used to repair and make simple glass apparatus. 3 Lab.

471 Physical Chemistry. (3) I. Prerequisites: CHE 361, 366, MAT 223 (or concurrent enrollment), and PHY 202. A functional knowledge of a computer language is expected. Thermodynamic properties of physiochemical systems; free energy and equilibria; electrochemical process; electrolytic solutions and activity coefficients.

472 Physical Chemistry. (3) II. Prerequisites: CHE 471 and MAT 223. Kinetic theory of gases and reaction rates; atomic and molecular structure; spectroscopy; introductory statistical thermodynamics.

473 Experimental Physical Chemistry. (1) I. Corequisite or Prerequisite: CHE 471. Experimental work to illustrate principles of physical chemistry. 3 Lab.

474 Experimental Physical Chemistry. (1) II. Prerequisites: CHE 471, 472 (or concurrent enrollment) and 473. Experimental work to illustrate principles of physical chemistry and to introduce research techniques. 3 Lab.

480 Seminar. (1) II. Prerequisite: CHE 314. Presentation of significant developments from recent literature to members of the chemistry faculty and departmental majors. One weekly meeting. May be retaken to a maximum of two hours.

495 Introduction to Research. (2-5) I, II. Prerequisites: CHE 361, 366, and 471, or instructor approval. Objectives and techniques of chemical research. Problems in all fields of chemistry. May be retaken to a maximum of ten hours. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

501 Chemtopics: _____. (1-3) A. Prerequisite: instructor approval. Topics to be chosen from current and/or specialized area of chemistry such as environmental chemistry or industrial chemistry, and will vary according to a student need. May be retaken to a maximum of six hours.

511 Principles of Chemistry I. (3) A. Selected concepts in chemistry in depth. Equation of state, thermodynamics and chemical equilibrium. Credit will not be awarded for both CHE 511 and CHE 471 and 472 or their equivalent.

512 Principles of Chemistry II. (3) A. Prerequisite: CHE 511. Continuation of CHE 511. Chemical kinetics, electrochemistry and other selected topics. Credit will not be awarded for both CHE 512 and CHE 471 and 472 or their equivalent.

525 Instrumental Methods. (4) A. Prerequisites: CHE 362, 367, and 472, or instructor approval. Colorimetric, spectrophotometric (including infrared), conductometric, potentiometric, polarographic, and chromatographic methods and determinations; methods of nuclear chemistry. 2 Lec/6 Lab.

530 Biochemistry I. (4) II. Prerequisites: CHE 362, 367, and 471, or instructor approval. Chemistry, metabolism, and biosynthesis of carbohydrates, proteins, and lipids; the action of vitamins, hormones, and enzymes related to cellular metabolism and body processes. 3 Lec/3 Lab.

531 Biochemistry II. (4) A. Prerequisite: CHE 530. Continuation of CHE 530. Topics included are nucleoproteins, energetics, biological catalysis, and functions of biologically important materials. 3 Lec/3 Lab.

534 Introduction to Medicinal Chemistry. (3) A. Prerequisites: one semester each in organic and biochemistry. Introductory study of medicinal agents at molecular level. Pharmacokinetics, drug metabolism, chemical structure-medicinal activity relationships, selective toxicity.

550 Inorganic Chemistry. (3) I. Formerly CHE 450. Prerequisite: CHE 472 or instructor approval. Modern concepts of atomic nuclei, atomic structure, and classification of elements. Completions and coor-

dination compounds. Theories of bonding.

555 Inorganic Preparations. (3) II. Prerequisite: CHE 550 or instructor approval. Crystallization, distillation, furnace methods, electrolytic processes, and gas handling in synthesis of alloys, oxides, salts, coordination compounds, polyacids, and anomalous salts. 1 Lec/6 Lab.

560 Mechanistic Chemistry. (3) A. Prerequisites: CHE 362, 367, and 472, or instructor approval. Survey of new reactions and comprehensive study of reaction mechanisms.

565 Qualitative Organic Analysis. (3) A. Prerequisites: CHE 362, 367, or instructor approval. Identification of unknown organic substances through a systematic study of their physical and chemical properties and their chemical derivatives. 1 Lec/6 Lab.

570 Physical Chemistry for Biological Sciences. (4) I. Prerequisite: CHE 325 or instructor approval. States of matter, colligative properties of solutions, thermodynamics, equilibrium, electrochemistry, colloids, and reaction kinetics. 3 Lec/3 Lab.

585 Principles of High Polymers. (3) A. Prerequisite: CHE 362 and 367. Preparation and characterization of high polymers; monomers, condensation and additional polymerization; radical, anionic, and cationic initiation. Emphasis on microstructure of the polymer chain and its effect on macromolecular physical properties. 2 Lec/3 Lab.

GRADUATE COURSES

701 Chemtopics: _____. (1-3) A.
711 Principles of Chemistry I. (3) A.
712 Principles of Chemistry II. (3) A.
725 Instrumental Methods. (4) A.
730 Biochemistry I. (4) II.
731 Biochemistry II. (4) A.
734 Introduction to Medicinal Chemistry. (3) A.
750 Inorganic Chemistry. (3) I.
755 Inorganic Preparations. (3) II.
760 Mechanistic Chemistry. (3) A.
765 Qualitative Organic Analysis. (3) A.
770 Physical Chemistry for Biological Sciences. (4) I.
785 Principles of High Polymers. (3) A.
802 Selected Topics in Analytical Chemistry. (1-3) A.
803 Selected Topics in Biochemistry. (1-3) A.
805 Selected Topics in Inorganic Chemistry. (1-3) A.
806 Selected Topics in Organic Chemistry. (1-3) A.
807 Selected Topics in Physical Chemistry. (1-3) A.
810 History of Chemistry. (3) A.
813 Principles of Chemistry III. (4) A.
824 Separation Methods. (2) A.
825 Spectroscopy. (3) A.
839 Cooperative Study: Chemistry. (3-6) A.
845 Chemical Laboratory and Demonstration Techniques. (1-4) A.
873 Chemical Thermodynamics. (3) A.
880 Graduate Seminar. (1) II.
881 Seminar for Teachers of Chemistry. (1) A.
882 Seminar in: _____. (3) A.
890 Graduate Literature and Project Planning. (1) A.
895 Graduate Research. (1-6) I, II.

SCI—Science

310 History of Science. (3) I, II. The development of scientific concepts through the ages; contribution of science to civilization; philosophy of science; biographical sketches. Gen. Ed. 15/16.

FOR—Forensic Science

301 Introduction to Criminalistics. (3) A. Introduction to the utilization of physical evidence in law enforcement, an overview of the forensic analysis of firearms, fingerprints, drugs, blood, hair, fibers, paint, glass, and questioned documents.

308 Criminalistics I. (3) A. Introduction to the examination of fingerprints, footprints, tool marks and glass fractures; forensic photography; crime scene search, evidence preservation and report writing. 2 Lec/3 Lab.

309 Criminalistics II. (3) A. Prerequisite: CHE 101 or instructor approval. Introduction to document examination; preliminary microscopic examination of hairs, fiber and glass; simple blood typing; principles of firearms identification and gun powder residue tests. 2 Lec/3 Lab.

380 Seminar in Criminalistics. (1) A. Prerequisite: FOR 308. Presentation of significant developments in the area of criminalistics. One weekly meeting.

411 Analytical Methods in Forensic Science I. (3) A. Prerequisites: CHE 325, 361, 362, 366, and 367, or instructor approval. Application of instrumental methods of analysis to the classification of physical evidence. Principles and application of ultra-violent, visible, infrared, and fluorescence spectrophotometry; gas chromography; and thin layer chromatography. 2 Lec/3 Lab.

412 Analytical Methods in Forensic Science II. (4) A. Prerequisite: FOR 411 or instructor approval. Continuation of FOR 411. Application of chemical instrumentation to the separation, identification and comparison of drugs, paint, glass, fibers, arson evidence and other materials commonly encountered in the crime laboratory. 2 Lec/6 Lab.

421 Forensic Serology. (3) A. Prerequisite: FOR 411 or instructor approval. Introduction to the laboratory examination of blood, blood stains, and body fluids, techniques in handling dried blood. 2 Lec/3 Lab.

430 Analytical Toxicology. (3) A. Prerequisites: FOR 411 and 412, or instructor approval. Study of the biochemical activity of poisons and drugs; isolation and identification of barbiturates, amphetamines, tranquilizers and other drugs of forensic interest. 2 Lec/3 Lab.

440 Forensic Photography. (2) A. Prerequisite: PHY 202 or PHY 132, or instructor approval. Fundamental aspects of photography and camera optics; film development; black and white color photography; evidence, accident, and crime scene photography. Not open to students who have credit from another college photography course. 1 Lec/3 Lab.

451 Forensic Microscopic Analysis. (3) A. Introduction to microscopic analysis; identification and characterization of materials, such as glass, hair, fiber, paint, and soil. 2 Lec/3 Lab.

460 Selected Topics in Forensic Science. (1-3) A. Prerequisite. instructor approval. Topics will be chosen from areas of current interest and may be retaken for credit when new topics are offered. Topics and credit will be announced prior to each offering.

480 Seminar in Forensic Science. (2) A. Prerequisite: FOR 411. Presentation of significant developments in the various areas of forensic science. 1 Lec/1 Rec.

490 Introduction to Research. (1-3) A. Prerequisites: FOR 411, 412, and instructor approval. Instruction to laboratory research in one of the areas of forensic science. May be retaken to a maximum of six hours, but only three hours may be counted toward the major requirements. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

495 Internship. (3,6,9,12) A. Prerequisites: FOR 411, 412, and instructor approval. Final year. Independent laboratory work and study at an affiliated crime laboratory. May be retaken to a maximum of 12 hours, but only six hours may be counted toward the major requirements. Four to 16 weeks.

DEPARTMENT OF
GEOLOGY

G. Kuhnhenn, Chair; Dean, Ewers, Farrar, Helfrich, Kepferle, Leung, Monrad.

The Department of Geology offers curricula leading to the Bachelor of Arts degree in Geology and the Bachelor of Science degrees in Geology and Earth Science. The B.A. degree program is designed for students seeking a liberal arts education. The B.S. degree program is directed toward students pursuing a profession in geology. Students seeking a teaching career are directed toward the B.S. degree in Earth Science which is offered in cooperation with the College of Education.

Geology
MAJOR (BACHELOR OF ARTS)

Major Requirements . . . . . 30 hours
GLY 108, 109, 309, 310, 408, 410, 411, 412, and three hours of approved geology courses.

Supporting Course Requirements . . . . . 19-20 hours
BIO 141 or 162 or NAT 101; CHE 101 or 111; MAT 108; NAT 171 or PHY 101; and two semesters of foreign language

approved by Department.

General Education Requirements ..... **43 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **35-36 hours**

Total Curriculum Requirements ..... **128 hours**

Geology

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **37-39 hours**
GLY 309, 310, 311, 410, 411, 412, 451, 550, and two additional approved geology courses.

Supporting Course Requirements ..... **32 hours**
BIO 141, CHE 111, 112, GEO 355, MAT 121, 122, PHY 131, and 132. Some statistics and computer science are recommended.

General Education Requirements ..... **43 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **14-16 hours**

Total Curriculum Requirements ..... **128 hours**

MINOR IN GEOLOGY

A student may minor in geology by completing a minimum of 18 (21 for teaching certification) semester hours as follows: GLY 108, 109, and a minimum of 12 hours of approved geology courses. GLY 104, 107, 302, 349, 390, 500, or 501 may not be used to satisfy minor requirements.

Earth Science (Teaching)

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **30 hours**
AST 135, GEO 210, 215, GLY 104, 108, 109, 208, 351, 390, and 414.

Minor Requirements ..... **18-21 hours**
A 21-hour teaching minor is required (geography is recommended).

Supporting Course Requirements ..... **11 hours**
BIO 141; CHE 101 or 111; and MAT 107 or a higher level course.

Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 451, 498, and 499.

General Education Requirements ..... **43 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **0-3 hours**

Total Curriculum Requirements ..... **133 hours**

MINOR IN EARTH SCIENCE (TEACHING)

A student may minor in earth science by completing a minimum of 21 semester hours as follows: GLY 104, 108, 109, 208, 390, GEO 215, and AST 135. An earth science minor is not recommended for non-teaching majors.

GRADUATE PROGRAMS

The Department of Geology offers the Master of Science degree in Geology. The M.S. degree program is designed to provide students with a broad background in geology, plus a more in-depth knowledge of at least one area of geology through thesis research. Areas of geology recommended for thesis research include clay mineralogy, geochemistry, geomorphology, hydrogeology, paleontology, petrology, sedimentology, stratigraphy, structural geology, and tectonics. Emphasis is placed on solution of geologic problems through a combination of field studies and laboratory applications.

The Master of Arts in Education degree with an option in Earth Science is offered in the College of Education with the cooperation of the Department of Geology. The Department of Geology cooperates with the other natural science departments and the College of Education in offering the Master of Arts in Education with an option in General Science. Regulations for these degrees can be found in the College of Education section of the Graduate Catalog.

Course Descriptions

Two courses in Marine Geology are offered (in cooperation with Gulf Coast Research Laboratory).

GLY—Geology

104 Introduction to Oceanography. (3) I, II. The ocean basins, water circulation, energy budgets, ocean floor sediments, and marine life environments. Interactions with the atmosphere and lithosphere will be considered. Gen. Ed. 15/16.

107 Principles of Geology. (3) I, II. Non-laboratory physical science. Course content is same as GLY 108 except that laboratory is replaced by discussion section covering selected general interest topics. Credit will not be awarded for both GLY 107 and GLY 108. Gen. Ed. 15/16.

108 Principles of Geology. (3) I, II. General geology including the study of common minerals and rocks and geologic processes. Designed primarily for non-science majors. Credit will not be awarded for both GLY 108 and GLY 107. 2 Lec/2 Lab. Gen. Ed. 14.

109 Principles of Historical Geology. (3) I, II. General study of the physical and biological history of the earth. Designed primarily for non-science majors. 2 Lec/2 Lab. Gen. Ed. 14.

207 Engineering Geology. (3) A. Prerequisite: pre-engineering or construction major or departmental approval. Physical geology applied to engineering problems. Emphasizing soil water, settlement and consolidation, groundwater flow, slope stability, bearing capacity, and laboratory and field techniques. 2 Lec/2 Lab.

208 Minerals, Rocks, Fossils. (3) A. Origin, distribution, and identification of common minerals, rocks, and fossils. 2 Lec/2 Lab.

302 Earth Science. (3) A. Introduction to the universe and our solar system, the earth's atmospheric and climatic elements, its physical processes and features, organic development, and natural resources. Gen. Ed. 15/16.

309 Introduction to Mineralogy. (5) I. Formerly GLY 209. Prerequisite: CHE 111 or departmental approval. Classification, genesis, occurrence, and use of minerals with introduction to crystallography. Emphasis placed on physical mineralogy, mineral identification, and mineral genesis. 3 Lec/4 Lab.

310 Petrology. (3) II. Prerequisite: GLY 309. Origin and nature of igneous, sedimentary, and metamorphic rocks with emphasis on hand specimen identification and classification of important rock types. 2 Lec/2 Lab.

311 Optical Mineralogy. (4) I. Prerequisite: GLY 309. Identification of non-opaque minerals by oil-immersion and thin section methods using a petrographic microscope. 2 Lec/4 Lab.

349 Cooperative Study: Geology. (1-8) A. Prerequisite: departmental approval. Work in placement related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment required for each semester hour of academic credit. May not be used to satisfy major or minor requirements.

351 Field Geology. (3) A. Prerequisite: junior standing or departmental approval. Field techniques, description and measurement of stratigraphic sections, and fundamental geologic mapping. 1 Lec/4 Field (Saturdays).

390 Environmental Geology. (3) A. Study of interaction of human activity and hazardous geologic processes. Designed for non-science majors. Gen. Ed. 15/16.

398 Independent Studies in Geology. (1-6) I, II. Prerequisite: departmental approval. Topic determined by student and instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours provided topic is different each time.

408 Process Geomorphology. (3) A. Prerequisite: GLY 108 or departmental approval. An in-depth study of the geologic processes involved in landform development.

410 Structural Geology. (3) I. Prerequisites. GLY 310 and MAT 108, or departmental approval. Architecture of the earth. Emphasis on the geometry of deformed rocks and solution of structural problems. 2 Lec/2 Lab.

411 Invertebrate Paleontology. (4) I. Prerequisite: BIO 141 or departmental approval. Morphology, distribution in time and space, evolution, and paleoecology of fossil invertebrates. 2 Lec/4 Lab.

412 Stratigraphy and Sedimentation. (3) II. Prerequisite: GLY 309. Principles of stratigraphy and sedimentation with references to North American rock sequences. 2 Lec/2 Lab.

414 Geology of Soils. (3) A. Prerequisite: CHE 111 or departmental approval. Chemical and physical characteristics of soils and soil morphology. Special attention is given to ion exchange, texture, water, and permeability.

451 Geologic Field Studies. (6) SUMMER ONLY. Prerequisite: GLY 410 or departmental approval. A six-weeks field camp in the western states covering photogeological studies, stratigraphic measurements and descriptions, mapping techniques, and additional work with igneous, sedimentary, and metamorphic rocks.

500 Earth Science Problems for Teachers: _____. (1-3) A. Prerequisite. departmental approval. Designed to fit needs of individual students majoring in education (general science) who need special instruction in the earth sciences. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of nine hours provided topic is different each time.

501 Physical Geology for Teachers. (3) A. Fundamental composition and structure of the earth, minerals, rocks, landform origins, and modifying agents. Designed for teachers with emphasis on laboratory techniques.

513 X-ray Diffraction and Spectroscopy. (3) A. Prerequisites: GLY 309 and PHY 132, or departmental approval. Principles of X-ray diffraction and fluorescence. Emphasis on mineral identification and elemental analysis. 2 Lec/2 Lab.

529 Economic Geology. (3) A. Prerequisites: GLY 310 and 410. Formation of mineral deposits and their distribution within the earth's crust. 2 Lec/2 Lab.

530 Geophysics. (3) A. Prerequisites: PHY 131 and 132, or departmental approval. Fundamentals of gravity and isostasy, seismology, geomagnetism, geothermics, and geochronology. Introductory gravimetric, magnetic, electrical, and seismic prospecting techniques.

535 Hydrogeology. (3) A. Prerequisites: GLY 310 and 410, or departmental approval. Origin, occurrence, movement, utilization, and conservation of groundwater. Qualitative and quantitative presentation of geological, physical, and geochemical aspects of groundwater hydrology. 2 Lec/2 Lab.

550 Historical Geology. (3) A. Prerequisite: senior standing or departmental approval. Synthesis of major processes and events of physical and biological history of the earth using principles and conclusions learned in major program, through basin analysis. 2 Lec/2 Lab.

580 Selected Topics: _____. (1-3) A. Prerequisite: departmental approval. Designed to explore specific aspects of geology. May be retaken to a maximum of six hours provided topic is different each time.

598 Geoscience Instrumentation. (1-3) A. Prerequisite: departmental approval. Selected topics of geoscience instrumentation. Topic designated each time course is offered. May be retaken to a maximum of six hours provided topic is different each time.

GRADUATE COURSES

700 Earth Science Problems for Teachers: _____. (1-3) A.
701 Physical Geology for Teachers. (3) A.
713 X-ray Diffraction and Spectroscopy. (3) A.
729 Economic Geology. (3) A.
730 Geophysics. (3) A.
735 Hydrogeology. (3) A.
750 Historical Geology. (3) A.
780 Selected Topics: _____. (1-3) A.
798 Geoscience Instrumentation. (1-3) A.
801 Historical Geology for Teachers. (3) A.
802 Scientific Communication in Geology. (2) I.
805 Advanced Structural Geology. (3) A.
811 Paleoecology of Invertebrates. (3) A.
812 Clay Mineralogy. (3) A.
821 Sedimentology. (3) A.
822 Igneous and Metamorphic Petrology. (4) I.
823 Sedimentary Petrology. (3) II.
824 Carbonate Petrology. (3) A.
825 Siliciclastic Petrology. (3) A.
831 Coal Geology. (3) A.
832 Petroleum Geology. (3) A.
834 Exploration Techniques: _____. (1-3) A.
840 Micropaleontology. (3) A.
860 Geochemistry. (3) I.
870 Igneous Petrology. (3) A.
871 Metamorphic Petrology. (3) A.
880 Seminar: _____. (1-3) A.
898 Special Problems in Geology. (1-6) I, II.
899 Thesis. (3-6) I, II.

DEPARTMENT OF

MATHEMATICS, STATISTICS, & COMPUTER SCIENCE

C. Franke, Chair; Bland, Brooks, Cain, Cooper, P.J. Costello, P.S. Costello, Fields, Fisher, Givan, Greenwell, Hajek, Hall, Hensgen, Janeway, Karr, King, Lackey, B. Lane, J. Lane, J. LeVan, M. LeVan, Masden, McAfee, Metcalf, Nayle, Nelson, Ng, Patterson, Pierce, Reddy, Rezaie, Rink, Ryoti, Schnare, Wilson.

The Department of Mathematics, Statistics, and Computer Science offers Bachelor of Science degree programs in Computer Science, Mathematics, and Statistics; the Master of Science degree is offered in the Mathematical Sciences. In cooperation with the College of Education, the Department provides options in Mathematics and in Computer Science/ Mathematics, each leading to teacher certification with the Bachelor of Science degree. The Master of Arts in Education degree, with an option in Mathematics, is offered in the College of Education with the cooperation of the Department of Mathematics, Statistics, and Computer Science.

In addition to its programs for undergraduate majors and graduate students, the Department of Mathematics, Statistics, and Computer Science offers a minor in Computer Science, Computer Science (Teaching), Mathematics, Mathematics (Teaching), Mathematical Sciences, and Applied Statistics. Other courses are offered in computer science, mathematics, and statistics for students majoring in a wide range of fields of study.

PROGRAM OBJECTIVES
COMPUTER SCIENCE

Upon completion of this program the graduate will:

1. Have a working knowledge of the common programming lan-

guages;
2. Have experience with software design and implementation techniques both as an individual and as a member of a design team;
3. Be well qualified for employment as a computer scientist in industry or in government; and
4. Be prepared to enter a graduate program in Computer Science.

Computer Science

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **39 hours**
CSC 180, 181, 200, 209, 309, 310, 320, 350, 400, 425, plus one of CSC 440, 450, 460, 490; plus six hours of CSC courses numbered 300 or above (except CSC 305, 349, or 567).
Supporting Course Requirements ..... **15 hours**
MAT 121 or 121H, 122 or 122H, 214, 223 or 223H, and STA 370 or 500 or 520.
General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **19 hours**
Total Curriculum Requirements ..... **128 hours**

PROGRAM OBJECTIVES
COMPUTER SCIENCE/MATHEMATICS (TEACHING)

Upon completion of this program the student will:
1. Be able to explain the techniques of computer science and mathematics and their applications to social, economic, and scientific problems;
2. Understand the importance and power of computer science and mathematics in our rapidly evolving technological age;
3. Be prepared to pursue a graduate program in this or a related area; and
4. Understand the principles of pre-college computer science and mathematics.

Computer Science/ Mathematics (Teaching)

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **39 hours**
CSC 180, 181, 200, 305, 309, 310, 567, MAT 121 or 121H, 122 or 122H, 214, 301, 334, and MAT 223 or 223H or 308.
Supporting Course Requirement ..... **3 hours**
STA 270.
Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 450, 498, and 499.
General Education Requirements ..... **52 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **6 hours**
Total Curriculum Requirements ..... **128 hours**

PROGRAM OBJECTIVES
MATHEMATICS

Upon successful completion of this program, the graduate will:
1. Be able to apply mathematical techniques to social, economic. and scientific problems;
2. Understand the importance and power of mathematics in our rapidly evolving technological age;
3. Be prepared to pursue a graduate program in this or a related area; and
4. Be well qualified for employment in any position requiring undergraduate training in mathematics.

Mathematics

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **36 hours**
MAT 121 or 121H, 122 or 122H, 214, 223 or 223H, 301, 308, 324 or 324H, 353, 414, and nine hours of mathematical sciences courses (CSC, MAT, STA) numbered 300 or above (except for 349, CSC 305, 530, 561, 567, MAT 503, 514.)
Supporting Course Requirements ..... **6 hours**
Three hours of an approved programming language; three hours chosen from any STA course numbered 270 or above (except 349).
General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **31 hours**
Total Curriculum Requirements ..... **128 hours**

PROGRAM OBJECTIVES
MATHEMATICS (TEACHING)

Upon successful completion of this program, the graduate will have a teacher's certification in mathematics and will:
1 Be able to explain mathematical techniques and applications to social, economic, and scientific problems;
2. Understand the importance and power of mathematics in our rapidly evolving technological age;
3. Be prepared to pursue a graduate program in this or some related area; and
4. Understand the principles of pre-college mathematics.

Mathematics (Teaching)

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **33 hours**
MAT 121 or 121H, 122 or 122H, 214, 223 or 223H, 301, 308, 334, 414, and nine hours of mathematical sciences courses (CSC, MAT, STA) numbered 300 or above (except for 349, CSC 305, MAT 503).
Supporting Course Requirements ..... **6 hours**
Three hours of an approved programming language; STA 270.
Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 450, 498, and 499.
General Education Requirements ..... **52 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University requirements.
Free Electives ..... **9 hours**
Total Curriculum Requirements ..... **128 hours**

PROGRAM OBJECTIVES
STATISTICS

Upon successful completion of this program, the graduate will:

1. Understand the applications and use of statistics in everyday life;
2. Be able to apply a wide variety of statistical techniques;
3. Be able to provide statistical consultation and advice to people in other disciplines;
4. Be familiar with computer packages which perform statistical analysis;
5. Be well qualified for employment in industry, government, and the actuarial profession; and
6. Be prepared to pursue graduate work in Statistics.

Statistics

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **42 hours**
STA 270 and 271, or STA 500 and 575; 370, 375, 501, 520, 521, MAT 121 or 121H, 122 or 122H, 214, 223 or 223H, 324 or 324H, and six hours of mathematical sciences electives numbered 300 or above (except for 349, CSC 305).

Supporting Course Requirement ..... **3 hours**
Three hours of an approved programming language.

General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **28 hours**

Total Curriculum Requirements ..... **128 hours**

MINOR IN COMPUTER SCIENCE

A student may minor in Computer Science by completing a minimum of 18 hours of CSC courses (except CSC 102, 305, 349) which must include CSC 180, 181, 200, 309 and 310, plus three hours of CSC courses at the 200 level or above.

MINOR IN COMPUTER SCIENCE (TEACHING)

A student may minor in Computer Science (teaching) by completing a minimum of 21 hours of courses in the mathematical sciences including CSC 180, 181, 200, 305, three hours of another approved programming language, STA 270, and one of MAT 121, 121H, 211, or 261.

MINOR IN THE MATHEMATICAL SCIENCES

A student may minor in Mathematical Sciences by completing a minimum of six hours in each of Computer Science, Mathematics, and Statistics for a total of 18 hours as follows:
Computer Science: CSC 180 or 300; any other CSC courses (except CSC 102, 305, or 349); Mathematics: MAT 261, 262 or MAT 121, 122 or MAT 121H, 122H; and Statistics: two of STA 270, 271, 370, 500, or 501.

MINOR IN MATHEMATICS

A student may minor in Mathematics by completing 18 hours including MAT 121 or 121H, 122 or 122H, 223 or 223H, and nine hours selected from MAT 214, CSC 300 or 320, STA 370 or 520, or any MAT course numbered 300 or above (except MAT 349, 503).

MINOR IN MATHEMATICS (TEACHING)

A student may minor in Mathematics (teaching) by completing a total of 21 hours of courses in the mathematical sciences including MAT 121 or 121H, 122 or 122H, 214, 223 or 223H, 301, and 334.

MINOR IN APPLIED STATISTICS

A student may minor in Applied Statistics by completing 18 hours of mathematical science courses including 12 hours of STA courses and six hours selected from any additional STA courses (except 349), any CSC courses (except 305 or 349), or any calculus courses.

GRADUATE PROGRAMS

The Master of Science degree is offered by the Department of Mathematics, Statistics, and Computer Science to prepare the student for positions in government or industry, for teaching at the college or pre-college levels, or for advanced graduate study. The student may elect courses from Computer Science, Pure or Applied Mathematics, and Statistics. A thesis is optional. Further information and degree requirements can be found in the Graduate Catalog.

The Master of Arts in Education with an option in Mathematics is offered in the College of Education with the cooperation of the Department of Mathematics, Statistics, and Computer Science. Further information can be found in the Graduate Catalog.

REPEAT POLICY

Students may enroll for a course taught by the Department of Mathematics, Statistics, and Computer Science only twice during the fall or spring semesters. Subsequent enrollments must be during spring intersession or summer school. Exceptions are by petition to the department only.

Course Descriptions

CSC—Computer Science

102 Computer Literacy with Basic. (3) I, II. Non-technical survey of computer history and hardware; implications of use and misuse of computers; programming in the computer language BASIC: input/output, decision, looping, arrays. Credit will not be awarded for both CSC 102 and CSC 171. 3 Lec/1 Lab. Gen. Ed. 03 or 04.

171 Introduction to Computer Programming—BASIC. (1) I, II. Programming in the computer language BASIC: input/output, decision, looping, arrays. Credit will not be awarded for both CSC 171 and CSC 102. Gen. Ed. 03 or 04.

172 Advanced Basic. (2) A. Prerequisite: CSC 171 or CSC 102 or departmental approval. Sequential and direct access file handling, character string operators, user defined functions and subroutines, other topics. Gen. Ed. 03 or 04

174 Introduction to Computer Programming—FORTRAN. (3) I, II. Introductory programming in FORTRAN, input/output, decision, loops, arrays, subroutines, functions, files. Gen. Ed. 03 or 04.

178 Programming in _____. (1-3) A. Programming in selected languages, with appropriate applications. May be retaken to a maximum of six hours, provided the languages are different.

180 Introduction to Computer Programming—Pascal. (3) I, II. Introduction to problem solving with computers using the structured language Pascal. Basic concepts include data types, control structures, arrays, pointers, procedures, records and extended input/output features. Credit will not be awarded for both CSC 180 and CSC 182. Gen. Ed. 03 or 04.

181 Advanced Computer Programming—Pascal. (3) I, II. Prerequisite: CSC 180. Modular programming, searching and sorting algorithms, user-defined data types, records, pointers, linked lists, stacks, trees, and files. Credit will not be awarded for both CSC 181 and CSC 182.

182 Algorithms and Pascal Programming. (6) I, II. Prerequisite: departmental approval. A combination of CSC 180 and 181. Programming in Pascal and algorithmic design. Credit will not be awarded for both CSC 182 and CSC 180 or 181.

185 Introduction to PL/I. (3) I, II. Prerequisite: CSC 181 or COBOL programming or departmental approval. Basic concepts of PL/I: data types, control structures, arrays, structures, character string operators, procedures, extended input/output, interrupt features; application to searching and sorting.

200 Introduction to Computer Organization. (3) I, II. Prerequisite: CSC 181 or departmental approval. Computer structure, assembly lan-

guage, instruction execution, addressing, data representation, macro definition and generation, segmentation, linkage, utility programs, programming techniques.

209 The Language C and the UNIX Operating System. (3) I, II. Prerequisite: CSC 181 or departmental approval. Introduction to the UNIX operating system and the language C. Basic concepts including simple and structured data types, control constucts, functions and files.

300 Introduction to Numerical Methods. (3) A. Prerequisites: MAT 122 and an approved programming language. Error analysis, nonlinear equations, interpolation, numerical differentiation and integration, ordinary differential equations, direct and interactive methods of solving linear systems, approximation.

305 Computers and Society. (3) A. Cross listed as POL 305 and SOC 305. The influence of computers on social and political processes. Software related to socio-political issues. Credit will not count toward major/minor requirements except for CSC teaching programs.

309 Introduction to File Processing. (3) I, II. Formely CSC 230. Prerequisite: CSC 181. File processing and file structures. Sequential and direct access file handling; searching and sorting techniques, and the analysis of algorithms.

310 Data Structures. (3) I, II. Prerequisites. CSC 180, 181, 200, 309; and with at least a "C" average in all prerequisite courses. Linear lists, strings, arrays, orthogonal lists, representation of trees and graphs. Storage systems and structures, tables, and searching techniques. Sorting techniques for linked lists. Formal specification of data structures.

320 Introduction to Discrete Structures. (3) I, II. Prerequisites: CSC 209 and MAT 214, or departmental approval. Set algebra, mappings, relations, algebraic structures, elementary graph theory (directed and undirected), Boolean algebra, propositional logic, applications to computer science.

349 Cooperative Study: Computer Science. (1-8) I, II; (1-6) Summer. Prerequisite: departmental approval. Work in placements related to academic studies. Credit does not apply to major or minor requirements. Total hours: eight associate; sixteen baccalaureate. A minimum of 80 hours of employment is required for each semester hour of academic credit.

350 Programming Languages. (3) I, II. Prerequisites: CSC 209, 310 or corequisite enrollment in CSC 310. Formal definition of programming languages including specifications of syntax and semantics. Global properties of algorithmic languages. List processing, string manipulation, data description and simulation languages. Run-time representation of programs.

370 Computer Architecture. (3) A. Prerequisites: CSC 200, 209, and 320. Information representation, Boolean algebra and combinatorial logic, memory and storage, elementary machines, addressing schemes, stack and parallel computers, overlap and pipeline processing, microprogramming, performance evaluation.

390 Advanced Programming Techniques with Ada. (3) A. Prerequisite: CSC 310 or departmental approval. An introduction to the Ada programming language with emphasis on the special features of Ada which allow for data abstraction exception handling, and tasking

400 Operating Systems. (3) I, II. Prerequisites: CSC 209 and 310. Overall structure of multiprogramming systems, details of addressing techniques, memory-management, file system design and management, traffic control, interprocess communication, system module design, interfaces.

425 Compiler Construction. (3) I, II. Prerequisites: CSC 310 and 350. Compilation of simple expressions and statements. Compiler organization, compile and run-time symbol tables, lexical scan, object code generation, error diagnostics, object code optimization techniques, overall design.

440 Introduction to Software Engineering. (3) A. Prerequisite or Corequisite: CSC 400 or 425. Introduction to the practical applications of scientific knowledge in the design and construction of software systems and to the documentation required to develop, operate, and maintain such systems.

450 Graphics Programming. (3) A. Prerequisites: MAT 214, 223, and CSC 310. Graphics standards. Programming for storage, modification and display of graphics data structures/bases. Realistic representation and transformation of geometric objects emphasizing interactive color raster displays.

460 Computer Network Architecture. (3) A. Prerequisite: CSC 400. Introduction to the subject of computer networks and layered protocols, architecture of data communication systems, point-to-point networks, local networks, end-to-end protocols and internetworking.

490 Seminar in _____. (3) A. Prerequisite: departmental approval. For advanced students in computer science. Subject announced when offered. May be retaken to a maximum of 12 hours, provided that the topics are different.

495 Independent Work. (3) I, II. Prerequisite: departmental approval. Directed study research on a problem or area chosen in consultation with the instructor. Final paper required. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

507 Seminar in Computer Science: _____. (3) A. Prerequisites: departmental approval. Topics vary with offering. May be retaken with advisor approval, provided the topics are different.

530 Concepts of Programming Systems. (3) A. Prerequisites: programming ability and departmental approval. The use of Pascal to illustrate good programming: structured coding, modularization, stepwise refinement, programming teams, the topdown design of algorithms, and data structures.

561 Programming for Microcomputers. (3) A. Prerequisites: CSC 310 and competence in BASIC programming. Programming techniques to utilize the special features of microcomputers using both BASIC and assembly language.

567 Problem Solving Concepts for Computer Science Teachers. (3) A. Prerequisites: CSC 310 and a major or minor in Computer Science Teaching. Seminar on formulating, analyzing, and solving problems appropriate for high school computing classes. Emphasis on techniques and algorithms appropriate for implementation on microcomputer systems.

GRADUATE COURSES

707 Seminar in Computer Science: _____. (3) A.
730 Concepts of Programming Systems. (3) A.
761 Programming for Microcomputers. (3) A.
767 Problem Solving Concepts for Computer Science Teachers. (3) A.
831 The Design and Analysis of Computer Algorithms. (3) A.
833 Data Structure Techniques. (3) A.
835 Architecture of Operating Systems. (3) A.
839 Cooperative Study: Computer Science. (1-3) A.
899 Thesis in _____. (1-6) A.

MAT—Mathematics

090 Basic Mathematics. (3) Institutional Credit. I, II. Place value, rounding whole number and rational number arithmetic including fractions and decimals, ratio and proportion, percentages. May be taken by referral only. 3 Lec/1 Lab.

093 Basic Descriptive Geometry. (1) Institutional Credit. I, II. Prerequisite: MAT 090 or equivalent. Classification of geometric figures, measurement of segments and angles, triangles and their properties, similarity, the Pythagorean Theorem, area, perimeter, volume, rectangular coordinate systems. May be taken by referral only. 1 Lec/1 Lab.

095 Basic Algebra. (3) Institutional Credit. I, II. Prerequisites: MAT 090, 093; or MAT 090 and Corequisite enrollment in MAT 093; or equivalent. Real number arithmetic, solving linear equations, graphing and solving linear systems, exponents, polynomials and factoring, computations involving rational expressions. May be taken by referral only. 3 Lec/1 Lab.

100 College Mathematics: A Computational Approach. (3) I, II. Computation as a means of understanding introductory topics: set operations, arithmetic in bases, modular arithmetic, operations, matrices and applications, Cramer's rule, geometry. Gen. Ed. 03 or 04.

105 Intermediate Algebra. (3) I, II. Prerequisite: a satisfactory score on a departmental placement test. An introduction to algebra at the college level. Rational, real and complex numbers, exponents, polynomials, factoring, linear equations, inequalities, graphs, quadratic equations, word problems, and systems of linear equations. Credit will not be awarded for both MAT 105 and MAT 105E. 3 Lec/1 Lab.

105E Intermediate Algebra. (3) I, II. The same material as in MAT 105. Credit will not be awarded for both MAT 105E and MAT 105.

107 College Algebra. (3) I, II. Prerequisites: two years of high school algebra and a satisfactory score on a departmental placement test. Polynomial equations, inequalities, functions, graphs of quadratic equations, matrices and determinants, exponential and logarithmic functions, complex numbers, synthetic division and roots of polynomial functions, sequences and series. Credit will not be awarded for both MAT 107 and MAT 107E or 109. 3 Lec/1 Lab. Gen. Ed. 03 or 04.

107E College Algebra. (3) I, II. The same material as in MAT 107. Credit will not be awarded for both MAT 107E and MAT 107 or 109. Gen. Ed. 03 or 04.

108 Trigonometry. (3) I, II. Prerequisite or Corequisite: MAT 107. Radians and degrees, properties of trigonometric functions, multiple angle expressions, triangle solutions, inverse functions, complex numbers. Credit will not be awarded for both MAT 108 and MAT 109.

109 Algebra and Trigonometry. (5) I, II. Real numbers, functions and graphs, trigonometric functions, polynomial equations, inequalities, inverse trigonometric functions, complex numbers. Credit will not be awarded for both MAT 109 and MAT 107, 107E, or 108.

121 Calculus and Analytic Geometry I. (3) I, II. Prerequisite: MAT 109 or equivalent. Analytic geometry, limits, continuity, derivatives and applications, conic sections. Credit will not be awarded for both MAT 121 and MAT 121H or 124 or 211 or 261. Gen. Ed. 03 or 04.

121H Honors Calculus I. (3) I. Prerequisites: a score of 26 on the ACT mathematics test and the equivalent of MAT 109; or departmental approval. Analytic geometry, limits, continuity, derivatives and applications. This material is treated in greater depth, and with more rigor than in MAT 121. Challenging problems and special projects will be assigned. Credit will not be awarded for both MAT 121H and MAT 121 or 124 or 211 or 261. Gen. Ed. 03 or 04.

122 Calculus and Analytic Geometry II. (3) I, II. Prerequisite: MAT 121 with a minimum grade of "C". Antiderivatives, applications and techniques of integration, transcendental functions. Credit will not be awarded for both MAT 122 and MAT 122H or 224 or 262. Gen. Ed. 03 or 04.

122H Honors Calculus II. (3) II. Prerequisite: MAT 121H with a minimum grade of "C" or departmental approval. Antiderivatives, applications and techniques of integration, transcendental functions. The material is treated in greater depth and with more rigor than in MAT 122. Challenging problems and special projects will be assigned. Credit will not be awarded for both MAT 122H and MAT 122 or 224 or 262. Gen. Ed. 03 or 04.

124 Differential and Integral Calculus. (4) A. Prerequisite: MAT 109 or equivalent. Limits and continuity, the derivative and applications, antiderivatives, the definite integral and applications, conic sections. Credit will not be awarded for both MAT 124 and MAT 121 or 121H or 211 or 261. Gen. Ed. 03 or 04.

165 Mathematics for Health Sciences. (3) A. Prerequisite: for students in the health sciences or home economics. Arithmetic of real numbers, percent, ratio-proportion, equations, measurements in the metric, apothecaries, and household systems; dosages, solutions, graphs. Applications to the health sciences emphasized throughout.

201 Mathematical Concepts for Middle and Elementary School Teachers I. (3) I, II. Prerequisites: admission to a certification program in elementary, middle school, or special education; and an acceptable score on a placement test. Concepts stressed over manipulation. Sets and functions, whole numbers, integers, numeration, elementary number theory, statistics, introduction to the use of computers.

202 Mathematical Concepts for Middle and Elementary School Teachers II. (3) I, II. Prerequisites: MAT 201 with a minimum grade of "C"; and an acceptable score on a geometry placement test. Concepts stressed over manipulation. Rational, decimal and real numbers, geometry, measurement, metric system, and continued use of computers.

203 Geometry for Middle and Elementary School Teachers. (3) I, II. Prerequisites: admission to a certification program in elementary or middle school teaching; and MAT 202. Angles and their measurement, right triangle trigonometry, perpendicular lines, congruent triangles, circles, arcs, and angles, constructions and loci, area and volume, similarity, graphing, selected topics from analytic geometry.

211 Linear Algebra and Calculus with Business Applications. (3) A. Prerequisite: MAT 107 or equivalent. Arithmetic of matrices, Gauss-Jordan reduction, systems of linear equations, derivatives, marginal cost, revenue and profit, applied optimization problems. Credit will not be awarded for both MAT 211 and MAT 121 or 121H or 124 or 261. Gen. Ed. 03 or 04.

214 Linear Algebra and Matrices. (3) I, II. Prerequisite: MAT 121 or 121H or 261. Real and complex vector spaces, linear transformations, matrix theory with applications through introduction of eigenvalues and eigenvectors, determinants, inner product spaces.

223 Calculus and Analytic Geometry III. (3) I, II. Prerequisite: MAT 122 with a minimum grade of "C". Indeterminate forms, improper integrals, vectors and solid analytic geometry, infinite series. Credit will not be awarded for both MAT 223 and MAT 223H or 224.

233H Honors Calculus III. (3) I. Prerequisite: MAT 122H with a minimum grade of "C" or departmental approval. Indeterminate forms, improper integrals, vectors and solid analytic geometry, infinite series. The material is treated in greater depth and with more rigor than in MAT 223. Challenging problems and special projects will be assigned. Credit will not be awarded for both MAT 223H and MAT 223 or 224.

224 Topics in Calculus. (5) A. Prerequisite: MAT 124 or equivalent with a minimum grade of "C". Transcendental functions, integration techniques, indeterminate forms, improper integrals, infinite series, vectors and solid analytic geometry. Credit will not be awarded for both MAT 224 and MAT 122 or 122H or 223 or 223H or 262.

261 Fundamentals of Calculus with Applications I. (3) A. Prerequisite: MAT 107 or equivalent. Introduction to calculus with applications in the sciences. Credit will not be awarded for both MAT 261 and MAT 121 or 121H or 124 or 211. Gen. Ed. 03 or 04.

262 Fundamentals of Calculus with Applications II. (3) A. Prerequisite: MAT 261 or 211. Integral calculus with applications, introduction to differential equations, functions of several variables. Credit will not be awarded for both MAT 262 and MAT 122 or 122H or 224.

301 Transition to Advanced Mathematics. (3) A. Prerequisite: MAT 122 or 122H. Logic, proof techniques, set theory, relations, functions, cardinality, introduction to areas of advanced mathematics.

308 Introduction to Modern Algebra. (3) I, II. Prerequisites: MAT 214 and 301. Sets, mappings, relations, operations, rings, homomorphisms, integral domains, properties of integers, fields, rational and real number fields, complex number field.

324 Multivariable Calculus. (3) I, II. Prerequisite: MAT 223 or 224 with a minimum grade of "C". Functions of more than one variable, partial differentiation and multiple integration, topics in vector calculus. Credit will not be awarded for both MAT 324 and MAT 324H.

324H Honors Multivariable Calculus. (3) II. Prerequisite: MAT 223H with a minimum grade of "C" or departmental approval. Functions of more than one variable, partial differentiation, multiple integration, topics in vector calculus. The material is treated in greater depth and with more rigor than in MAT 324. Challenging problems and special projects will be assigned. Credit will not be awarded for both MAT 324H and MAT 324.

334 Modern College Geometry I. (3) A. Prerequisite: MAT 301 or departmental approval. Euclid's parallel postulate, axiom systems, finite geometries. Designed to provide high school mathematics teachers with an appropriate reformulation and strengthening of background, ideas and rigor.

349 Cooperative Study: Mathematics. (1-8) I, II; (1-6) Summer. Prerequisite: departmental approval. Work in placements related to academic studies. Credit does not apply to major or minor requirements. Total hours: eight associate; sixteen baccalaureate. A minimum of 80 hours of employment are required for each semester hour of academic credit.

353 Differential Equations. (3) A. Prerequisite: MAT 223 or 224. Differential equations of first order, applications, singular solutions, linear equations with constant coefficients, miscellaneous methods for equations of higher order, integration in series, total differential equations.

414 Introduction to Analysis. (3) I, II. Prerequisites: MAT 223 or 224, and 301. Real number system, sets and functions, limits, continuity, uniform continuity, Taylor's theorem, laws of the mean, the Riemann integral, allied topics.

480 Seminar in _____. (1-3) A. Prerequisite: departmental approval. Advanced topics in undergraduate mathematics. Offered as needed. May be retaken to a maximum of nine hours, provided the topics are different.

495 Independent Work. (3) A. Prerequisite: departmental approval. Directed study/research on a problem or area chosen in consultation with instructor. Final paper required. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to maximum of six hours.

503 Number Theory in Elementary and Middle School Education. (3) A. Prerequisite: admission to a certification program in elementary, special, or middle school education. Application of standard number theory topics to elementary and middle school mathematics. Credit will not be awarded for both MAT 503 and MAT 506 or 703 or 706.

505 Foundations of Mathematics. (3) A. Prerequisite: MAT 308. The nature of mathematical thought; logical systems; axiomatic concepts and methods; consideration of the work of Hilbert, Peano, Whitehead, Russell, and others.

506 Number Theory. (3) A. Prerequisite: MAT 214. Fundamental properties of integers, linear Diophantine equations, linear and quadratic congruences, famous problems of number theory. Credit will not be awarded for both MAT 506 and MAT 503 or 703 or 706.

509 Topics in Applied Abstract Algebra: _____. (3) A. Prerequisite: MAT 308 or CSC 320 or departmental approval. Applications of topics in abstract algebra. May be retaken to a maximum of nine hours, provided the topics are different.

514 Analysis for the Secondary Teacher. (3) A. Basic concepts in analysis with applications to secondary mathematics. Real numbers, set theory, sequences and series, continuity, differentiation and integration.

515 Real Analysis. (3) A. Prerequisite: MAT 414. Further study of the concepts introduced in MAT 414. The convergence theorems, Lebesgue measure and measurable functions, the Lebesgue integral, Fourier series, allied topics.

535 Modern College Geometry II. (3) A. Prerequisite. MAT 334 or equivalent. The major influence of the axioms of parallelism or geometry, development from axioms and models, Euclidean geometry, absolute geometry, hyperbolic geometry, consistency of postulates.

540 Introductory Applied Mathematics. (3) A. Prerequisite: MAT 353. Techniques and applications of: vector analysis, matrix theory, linear and autonomous systems of differential equations, special functions, operational methods, Sturm-Kiouville theory, Fourier series.

550 Complex Analysis. (3) A. Prerequisite: MAT 414 or departmental approval. Analytic functions and the Cauchy-Riemann equations. Linear fractional transformations and mappings of the elementary functions. Complex integration. Power series, residues and conformal mappings.

555 Graph Theory. (3) A. Prerequisite: MAT 308 or CSC 320. Introduction to the theory and applications of graph theory. Topics will include trees, planarity, connectivity, flows, matching and coloring.

571 Numerical Analysis. (3) A. Prerequisite: CSC 300 or equivalent. Computer arithmetic; error analysis; Lagrange, Hermite, and spline interpolation; Gaussian, Newton-Cotes, and Romberg integration; Runge-Kutta and predictor-corrector solutions of differential equations.

GRADUATE COURSES

703 Number Theory in Elementary and Middle School Education. (3) A.
705 Foundations of Mathematics. (3) A.
706 Number Theory. (3) A.
709 Topics in Applied Abstract Algebra: _____. (3) A.
714 Analysis for the Secondary Teacher. (3) A.
715 Real Analysis. (3) A.
735 Modern College Geometry II. (3) A.
740 Introductory Applied Mathematics. (3) A.
750 Complex Analysis. (3) A.
755 Graph Theory. (3) A.
771 Numerical Analysis. (3) A.
800 Linear Algebra. (3) A.
804 Concepts in Geometry for Elementary and Middle School Education. (3) A.
809 Modern Algebra. (3) A.
839 Cooperative Study: Mathematics. (1-3) A.
856 Advanced Applied Mathematics. (3) A.
870 Seminar in Secondary Mathematics: _____. (3) A.
872 Advanced Numerical Analysis. (3) A.
880 Seminar in: _____. (3) A.
890 Independent Study in _____. (3) A.
899 Thesis in _____. (1-6) A.

STA—Statistics

208 Descriptive Statistics. (1) I, II. Measures of central tendency and dispersion, introduction to correlation and regression. Credit will not be awarded for both STA 208 and COR 400 or ECO 220 or EPY 842 or HEA 450 or PAD 400 or PSY 291 or STA 270. Gen. Ed. 03 or 04.

209 Elementary Probability. (1) I, II. An introduction to elementary concepts of probability. Credit will not be awarded for both STA 209 and COR 400 or ECO 220 or EPY 842 or HEA 450 or PAD 400 or PSY 291 or STA 270. Gen. Ed. 03 or 04.

210 Elementary Inference. (2) I, II. Prerequisite: STA 209. One and two sample estimation and hypothesis testing. A field project is required. Credit will not be awarded for both STA 210 and COR 400 or ECO 220 or EPY 842 or HEA 450 or PAD 400 or PSY 291 or STA 270. Gen. Ed. 03 or 04.

270 Applied Statistics I. (3) I, II. Prerequisite: MAT 107. Measures of central tendency and dispersion, frequency distributions, probability, sampling distributions, point and interval estimates, hypothesis testing. Credit will not be awarded for both STA 270 and COR 400 or ECO 220 or EPY 842 or HEA 450 or PAD 400 or PSY 291 or STA 208/209/210. Gen. Ed. 03 or 04.

271 Applied Statistics II. (3) II. Prerequisite: STA 270 or 210. Inference emphasizing enumerative and quantitative data, chi-square tests, nonparametric methods, elementary experimental design, linear correlation/regression, computerized statistical packages. Credit will not be awarded for both STA 271 and ECO 320 or ECO 854 or EPY 843 or PSY 301 or STA 500.

349 Cooperative Study: Statistics. (1-8) I, II; (1-6) Summer. Prerequisite: departmental approval. Work in placements related to academic studies. Does not apply to major or minor requirements. Total hours: eight associate; sixteen baccalaureate. A minimum of 80 hours of employment is required for each semester hour of academic credit.

370 Applied Probability. (3) I, II. Prerequisite: any calculus course. Intuitive and axiomatic development of probability, set theory, counting techniques, conditional probability, Bayes Theorem, discrete models and distributions, and the law of large numbers.

375 Sampling Theory. (3) A. Prerequisite: STA 270 or 370. Basic concepts of sampling theory, simple random sampling, stratified random sampling, cluster sampling, systematic sampling, ratio and regression estimation, applications to surveys.

490 Seminar in _____. (3) A. Prerequisite: departmental approval. Topic announced at the time of offering. May be retaken to a maximum of 12 hours, provided the topics are different.

495 Independent Work. (3) A. Prerequisite: departmental approval. Directed study/research on a problem or area chosen in consultation with instructor. Final paper required. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

500 Applied Statistical Inference. (3) A. Prerequisite: departmental approval. Designed for students in all areas. A general background in statistical methods including normal distribution, point and interval estimation, hypothesis testing, regression, analysis of variance. Credit will not be awarded for both STA 500 and ECO 320 or ECO 854 or EPY 843 or PSY 301 or STA 271, STA 521, STA 721.

501 Nonparametric Statistics. (3) A. Prerequisite: six hours of statistics or three hours of statistics and departmental approval. Simple, efficient nonparametric methods without normality assumptions. Tests, estimation of proportions, medians, two-sample location/dispersion, one and two-way layout, independence, regression.

520 Mathematical Statistics I. (3) II. Prerequisites: MAT 223 and STA 270 or 370, or departmental approval. Descriptive statistics, continuous probability distributions for one and two variables, functions of random variables, sampling distributions, estimation theory.

521 Mathematical Statistics II. (3) II. Prerequisites: STA 520 and MAT 214. A continuation of STA 520. Tests of hypothesis, linear regression and correlation, multiple linear regression, analysis of variance, allied topics. Credit will not be awarded for both STA 521 and STA 500 or STA 700.

575 Statistical Methods. (3) A. Prerequisite: one of STA 271, 500, 501, 521; or a course in statistical inference. Statistical methods focusing on the use of computer packages and interpretation of data. Assumptions of parametric and nonparametric tests, utilization of SPSS and/or SAS.

GRADUATE COURSES

700 Applied Statistical Inference. (3) A.
701 Nonparametric Statistics. (3) A.
720 Mathematical Statistics I. (3) I.
721 Mathematical Statistics II. (3) II.
775 Statistical Methods. (3) A.
839 Cooperative Study: Statistics. (1-3) A.
899 Thesis in _____. (1-6) A.

DEPARTMENT OF
NATURAL SCIENCE

B. MacLaren, Chair; Frisbie, Maki, Reynolds, Wernegreen.

The Department of Natural Science is an interdisciplinary department offering science courses specifically designed for non-science students to meet the General Education science requirements (Area IV). Some courses will satisfy the biological and physical science laboratory component. Other non-laboratory

courses are taught with an interdisciplinary approach and are an appropriate way to complete Area IV requirements.

The principal aims of the Department of Natural Science are to: (1) increase students' understanding of the nature of science and its relationship to technological change and ethical and social problems; (2) present basic principles of the biological and physical sciences; and (3) demonstrate the complexity and global nature of many current scientific problems.

Course Descriptions

NAT—Natural Science

101 Biology: The Science of Life. (3) I, II. This biological science course emphasizes human relationships with the natural world by studying concepts in ecology, inheritance, evolution, and the functioning of living systems. Credit will not be awarded for both NAT 101 and BIO 161 or BIO 162. 2 Lec/2 Lab. Gen. Ed. 13.

171 The Physical Universe. (3) I, II. An interdisciplinary course on natural philosophy, emphasizing science as a creative activity. It traces the evolution of our conceptions of science, the universe, matter, and energy. Credit will not be awarded for both NAT 171 and PHY 101. 2 Lec/2 Lab. Gen. Ed. 14.

172 The Physical Environment. (3) I, II. This course explores aspects of the earth sciences (meteorology, oceanography, geology and chemistry), emphasizing common concepts. Everyday experiences are used to illustrate physical principles. Credit will not be awarded for both NAT 172 and NAT 173. 2 Lec/2 Lab. Gen. Ed. 14.

173 The Physical Environment. (3) I, II. This course is identical to NAT 172 except that a discussion/lecture session replaces the laboratory. Credit will not be awarded for both NAT 173 and NAT 172. Gen. Ed. 15/16.

262 Ecology and Human Affairs. (3) I, II. This course is identical to NAT 263 except that a two-hour laboratory replaces one of the lecture sections. Credit will not be awarded for both NAT 262 and NAT 263. 2 Lec/2 Lab. Gen. Ed. 15/16.

263 Ecology and Human Affairs. (3) I, II. A biological science course that develops the basic principles of ecology, and uses them as a basis for consideration of agriculture, land use, endangered species, and other environmental issues. Credit will not be awarded for both NAT 263 and NAT 262. Gen. Ed. 15/16.

280 Science and Society. (3) I, II. By investigating incidences in which scientific knowledge interacts with society, this course attempts to understand the involvement of science with religion, government, technology, human population, energy, the environment, and the future. Gen. Ed. 15/16.

300 Science as a Human Endeavor. (3) I, II. Using examples from biological and physical science this course investigates the scientific community, its structure, methods, and philosophy. Emphasis is on scientific revolutions that have affected perceptions of space, time, and cause. Gen. Ed. 15/16.

DEPARTMENT OF

PHYSICS AND ASTRONOMY

T. George, Chair; Calkin, Cook, Faughn, Kuhn, Laird, Sousa, Teague.

The various educational missions of the Department of Physics and Astronomy are accomplished by offering the following programs: (1) The Bachelor of Science in Physics degree program is designed primarily for students who plan to continue their professional education by enrolling in a graduate program in physics, in some field of engineering (which is Applied Physics), or in an interdisciplinary science such as geophysics, biophysics, materials science, and many other fields where a basic knowledge of physics/science is required. (2) The option in Applied Physics is intended primarily for students who seek educational training for employment in industry or business (professional capacity) with a baccalaureate degree. (3) The Bachelor of Science in Physics (Teaching) degree program is intended for those students who plan to teach physics, astronomy, and science in secondary schools. Teaching majors are required to complete a minor or second major in either another natural science or in mathematics. (4) A minor in physics is recommended to majors in other fields to broaden and support their educational background. Particularly, a teaching minor in physics is recommended for students majoring in another science or mathematics teaching program.

Physics

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **40 hours**
- **Physics Core** ..... **26 hours**
  PHY 201, 202, 300, 301, 307, 503, and 558. At the discretion of the chair, PHY 131 may be substituted for PHY 201.
- **Options**
  - **Physics (General)** ..... **14 hours**
    PHY 306, 308, 520, 559, and MAT 324.
  - **Applied Physics** ..... **14 hours**
    PHY 221, 315; PHY 306 or 308; and six hours from either CSC 300, IET 359, or IET 456.

Supporting Course Requirements ..... **24 hours**
CHE 111, 112, CSC 174, MAT 121+, 122, 223, and 353.

General Education Requirements ..... **46 hours**
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **18 hours**

Total Curriculum Requirements ..... **128 hours**

+MAT 109 may be required before admission to MAT 121.

Physics (Teaching)

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **30 hours**
AST 135; PHY 201 and 202, or 131 and 132; PHY 300, 301, 506; PHY 306 or 308; and a minimum of six hours selected from AST 330, PHY 221, 306, 307, 308, 502, 503, or 558.

Minor Requirements ..... **12-15 hours**
The teaching minor must be in another natural science or mathematics.

Supporting Course Requirements ..... **18 hours**
CHE 111, 112, MAT 121+, 122, and three hours of an approved computer language.

Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 451, 498, and 499.

General Education Requirements ..... **46 hours**
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... **134-137 hours**

+MAT 109 may be required before admission to MAT 121.

MINOR IN PHYSICS

A student with a major in another field may complete a minor in physics by taking PHY 201, 202, and a minimum of eight

additional hours of physics numbered 300 and above to a total of 18 hours. PHY 131 may be substituted for PHY 201, and PHY 132 may be substituted for PHY 202.

A student with a teaching major in a natural science or mathematics may take a Minor in Physics (Teaching). The required courses are AST 135; PHY 201 and 202, or 131 and 132; 300, 306 or 308, plus three additional hours from the teaching major except AST 330.

GRADUATE PROGRAMS

The Department of Physics and Astronomy offers advanced degree programs. The Master of Science in Physics is designed primarily to prepare graduate students for professional careers in industry, community college teaching, and/or further graduate studies in physics. The Master of Arts in Education degree with an option in Physics is offered in the College of Education with the cooperation of the Department of Physics and Astronomy.

The Master of Arts in Education degree with an option in General Science is offered in the College of Education with the cooperation of the Department of Physics and Astronomy and the other natural science departments. The regulations for these degrees can be found in the College of Education section of the Graduate Catalog.

Course Descriptions

PHY—Physics

101 Physical Science (Physics). (3) I, II. Designed primarily for the non-science student. Topics on energy, sound, light, electricity, magnetism, and nuclear phenomena. Credit will not be awarded for both PHY 101 and NAT 171. 2 Lec/2 Lab. Gen. Ed. 14.

131 College Physics I. (5) I, II. Prerequisites: one unit each of high school algebra and plane geometry. Fundamental ideas of mechanics, heat, and sound. 4 Lec/2 Lab. Gen. Ed. 14.

132 College Physics II. (5) I, II. Prerequisite: PHY 131. Fundamental ideas of electricity, magnetism, optics, and modern physics. 4 Lec/2 Lab. Gen. Ed. 15/16.

201 University Physics I. (5) I, II. Corequisite: MAT 121 or 124. Composition and resolution of forces, laws of equilibrium, Newton's laws of motion, work and energy, momentum, simple harmonic motion, hydrodynamics, heat phenomena. 4 Lec/3 Lab. Gen. Ed. 14.

202 University Physics II. (5) I, II. Prerequisites: PHY 201 and MAT 121 or 124. Electrostatics, electric potential, dielectrics, A.C. and D.C. circuits, magnetic fields, Faraday's Law, sound, wave motion, geometrical and physical optics. 4 Lec/3 Lab.

221 Statics. (3) A. Prerequisite: PHY 201. Corequisite: MAT 122 or 224. Study of force systems on bodies at rest, descriptions of force systems, distributed and internal forces, applications of hydrostatics, frames and trusses, beams.

300 Modern Physics I. (3) I. Prerequisites: PHY 132 or 202 and MAT 109. Physics of the 20th century. Topics include special relatively, quantum effects, wave theory, Bohr theory, structure of the hydrogen atom.

301 Modern Physics II. (3) II. Prerequisite: PHY 300. A continuation of PHY 300. Topics include atomic and molecular structure, nuclear structure, nuclear reactions, elementary particles.

306 Classical Physics Laboratory. (2) I. Prerequisites: PHY 132 or 202 and a knowledge of BASIC programming. Experiments in mechanics, optics, and electricity. Techniques of interfacing scientific equipment to microcomputers. 4 Lab.

307 Electronics. (4) A. Prerequisite: PHY 132 or 202. Theory of solid state devices, power supplies, transducers, operational amplifiers, solid state switches, flip-flops, counters, digital devices, logic families. 3 Lec/3 Lab.

308 Atomic and Nuclear Laboratory. (2) II. Prerequisite: a computer language. Corequisite: PHY 301. Various experiments demonstrate types and effects of radiation, properties of atoms and nuclei, and experimental, computer, and analytical techniques. 4 Lab.

315 Introductory Electrical Circuits. (3) A. Prerequisite: PHY 202. Corequisite: MAT 122 or 224. DC and AC circuit analysis, network responses. Transient and steady state solutions for networks. Complex vector solutions. Transformed networks.

349 Cooperative Study: Physics. (1-8) A. Work in placements related to academic studies. A minimum of 80 hours employment is required for each semester hour of academic credit. Total hours: eight, associate; sixteen, baccalaureate. Hours earned in PHY 349 will not apply toward a physics major or minor.

502 Physical Optics. (3) A. Prerequisite: PHY 202. Corequisite: MAT 122 or 224. Wave motion, interference, Fraunhofer and Fresnel diffraction, electromagnetic radiation, dispersion, polarization, double refraction, lasers, holography.

503 Thermodynamics. (3) A. Prerequisite: PHY 202. Corequisite: MAT 122 or 224. Study of temperature, thermodynamic systems, ideal gases. First and second law of thermodynamics, Carnot cycle, Kelvin temperature scale, entropy.

506 Physics for High School Teachers. (3) A. Prerequisites: one year of college physics and instructor approval. Topics from general and modern physics to prepare teachers to teach high school physics and give classroom demonstrations. 2 Lec/3 Lab.

510 Special Problems in Physics: _____. (1-6) A. Prerequisites: PHY 202 and instructor approval. Special laboratory experiments, development of new equipment, or solution of special mathematical problems related to physics. May be retaken to a maximum of six hours provided subject matter is different each time. Student must have the independent study form approved by faculty supervisor and department chair prior to enrollment.

520 Electricity and Magnetism. (4) A. Prerequisites: PHY 202 and MAT 324. Electrostatics in vacuum and dielectrics, solutions by Laplace's and Poisson's equations, magnetic fields, induced EMF's, magnetic materials, and Maxwell's equations.

558 Classical Mechanics I. (3) A. Prerequisite: PHY 202. Corequisite: MAT 353. Applications of calculus to the principles of classical mechanics. Topics include vectors, rectilinear motion in one dimension, motion in three dimensions, non-inertial reference systems, central forces, and celestial mechanics.

559 Classical Mechanics II. (3) A. Prerequisite: PHY 558. Continuation of PHY 558. Topics include many-bodied systems, rigid bodies, Lagrangian and Hamiltonian mechanics, coupled harmonic oscillators, wave motion.

570 Quantum Mechanics. (3) A. Prerequisite: PHY 558. Basic principles of wave mechanics, solutions of Schrodinger wave equation for simple systems. Interpretation of solutions and application to atomic and molecular problems.

GRADUATE COURSES

702 Physical Optics. (3) A.
703 Thermodynamics (3) A.
706 Physics for High School Teachers. (3) A.
710 Special Problems in Physics: _____. (1-6) A.
720 Electricity and Magnetism. (4) A.
758 Classical Mechanics I. (3) A.
759 Classical Mechanics II. (3) A.
770 Quantum Mechanics. (3) A.
800 Physics for Elementary School Teachers. (1-6) A.
801 Advanced Mathematical Physics. (3) A.
806 Selected Topics in Physics for Teachers. (3) A.
808 Selected Topics in Physical Science for Secondary Teachers. (1-6) A.
809 Inquiry Physics for Teachers. (3) A.
810 Physics for Teachers of Physical Science. (3) A.
811 Demonstration and Experiments for Physical Science Teachers. (3) A.
815 Advanced Nuclear Physics. (3) A.
820 Semiconductor Physics. (3) A.
825 Electromagnetic Waves. (3) A.
839 Cooperative Study: Physics. (1-6) A.
840 Electronics II. (4) A.
860 Advanced Classical Mechanics. (3) A.
871 Intermediate Quantum Mechanics. (3) A.
880 Special Topics in Physics. (1-3) A.
881 Selected Topics. (1-3) A.
882 Statistical Mechanics. (3) A.
890 Thesis Research. (1-6) A.

AST—Astronomy

130 Introductory Astronomy. (3) I, II. Elementary survery course; study of moon, sun, and eclipses; solar system; milky way and far stars. Non-laboratory. Credit will not be awarded for both AST 130 and AST 135. Gen. Ed. 15/16.

135 Introductory Astronomy. (3) I, II. This course is the same as AST 130 except that a laboratory is offered in place of certain topics. Credit will not be awarded for both AST 135 and AST 130. 2 Lec/2 Lab. Gen. Ed. 14.

330 Theories of Modern Astronomy. (3) A. Investigations into modern controversies concerning origins of earth, sun, planets, galaxies, and universe. Considerations also of theories concerning the nature of pulsars, quasars, and black holes. Non-laboratory. Gen. Ed. 15/16.

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

VANCE WISENBAKER, Dean **KENNETH R. NELSON, Associate Dean**

CONTENTS

Social and Behavioral Sciences Courses 186
Anthropology, Sociology, and Social Work 187
Economics 186
Geography and Planning 190
Planning 190
Travel and Tourism 190
Government 192
Political Science 192
Paralegal Programs 193
History 196
Psychology 198
Social Science 200

The social and behavioral sciences are concerned with humankind's social, political, economic and psychological development. Their focus is on the various peoples of the world and their histories, cultures, physical environments, and problems. The knowledge provided by the social and behavioral sciences, along with that provided by the humanities and natural sciences, comprises an essential part of the education of an individual. A broad, liberal education allows one to be more comfortable in any cultural setting, more aware of one's potential and opportunities, and more capable of choosing values and goals in life.

Students enrolled in one of the college's programs receive a general education which broadens their knowledge and gives them a perspective which extends across individual academic disciplines. The College also offers students the opportunity to study a particular discipline in depth. The combination of general and specialized education provides a valuable background for careers in many areas such as business, industry, government service, and education, as well as further study in graduate and professional schools.

In its role of providing for a **general education,** the objectives of the college are to help students:

—Develop the ability to analyze information critically, to improve their ability to read and listen with comprehension, and to express themselves clearly in speech and writing.

—Acquire an understanding of humankind's past and present achievements, and develop the competence and confidence to deal with the challenges of the future.

—Understand themselves and their society so that they can intelligently shape as well as adapt to conditions in our progressively industrializing, interdependent world.

—Understand their role in society and develop a sense of ethical value and individual responsibility.

In its role of providing **specialized education** the objectives of the College are to:

—Provide students with an opportunity for study in depth in one of the major disciplines within the College.

—Assist students in choosing, and preparing for, socially useful and personally satisfying vocations that will permit them to use their particular interests and abilities.

—Help students realize the importance of continuing their education after completing a formal degree program.

—The College consists of six academic departments: Geography and Planning, Government, History, Psychology, Social Science, and Anthropology, Sociology and Social Work.

The College of Social and Behavioral Sciences offers instruction for professional and pre-professional fields and cooperates with the other colleges in providing upper level courses and programs. It further cooperates with the Graduate School in offering graduate courses and programs.

DEGREES OFFERED

The following degrees are offered: Associate of Arts, Bachelor of Arts, Bachelor of Science, and Bachelor of Social Work. The Bachelor of Individualized Studies degree is also offered in cooperation with the College of Arts and Humanities and the College of Natural and Mathematical Sciences. For a description of the Bachelor of Individualized Studies program, see the College of Arts and Humanities section of this Catalog.

The Associate of Arts is conferred upon students who major in paralegal studies. The Bachelor of Arts is conferred upon students who major in anthropology, economics, geography (with options in planning and travel and tourism), history, paralegal science, political science, and sociology. The Bachelor of Science is conferred upon students who major in psychology. The Bachelor of Social Work is conferred upon students who major in social work.

DEGREE REQUIREMENTS

General University degree requirements are listed on page 31 in Part Three of this Catalog. Specific requirements for degree program are found in the appropriate departmental sections of this Catalog. Requirements for Paralegal programs are listed under the Department of Government. Common to all programs in the College is the Academic Orientation course (CSO 100). Students are responsible for planning their programs and registering for the proper courses so that they will have satisfied all requirements at the time they expect to graduate.

In addition to the general University requirements, specific requirements for the Bachelor of Arts, Bachelor of Science, and Bachelor of Social Work degrees in the College of Social and Behavioral Sciences are as follows:

1. An overall grade point average of 2.0 is required in all courses taken in the major field and in those specified as major requirements.
2. Students majoring in social work and in the paralegal programs must attain a minimum grade of "C" in all courses specified for the major and in supporting courses.
3. Each student must select a major, which consists of a minimum of 30 hours in a specific field of study. Students may

have, but are not required to have, a minor unless a teaching minor is required. The minimum number of hours for a minor is 18; the minimum number of hours for a teaching minor is 21.

4. Students desiring teaching certification in a social or behavioral science are required to have a teaching minor (21 hours), except in history. Students obtaining a teaching certification in history may take related courses in lieu of a teaching minor.

5. Students who transfer from another college or university must earn a minimum of 12 hours in their major at Eastern. Where a minor is required, students must earn a minimum of three hours in the minor at Eastern.

APPLICATION FOR PLANNED CURRICULUM

Students are responsible for planning their programs and registering for the proper courses so that they will have satisfied all requirements at the time they expect to graduate. After completing 60 semester hours of course work, *it is the student's responsibility to apply for a planned curriculum,* which will specify the remaining graduation requirements.

The planned curriculum is prepared in consultation with a faculty advisor from the department of the student's major. Application is made to the Dean of the College. Teaching majors must have been admitted to the Teacher Education Program prior to the preparation of a planned curriculum. Any changes in the planned curriculum must be approved by the advisor, the Dean of the College, and in programs involving teacher certification, the Dean of the College of Education.

APPLICATION FOR GRADUATION

Students are required to file an application for graduation in the Dean's office. Applications should be filed by April 30 in order to graduate in December, or by October 31 in order to graduate in May or August.

GRADUATE PROGRAMS

In cooperation with the Graduate School, the College offers the Master of Arts, Master of Science, and Master of Public Administration degrees. The Master of Arts is offered in history and political science. The Master of Science is offered in psychology (clinical and school). The Master of Public Administration degree is offered in the Department of Government with options in community development, community health administration, or court administration.

The College of Education offers the Master of Arts in Education with options in geography, history, political science, psychology, and sociology. The departments in the College of Social and Behavioral Sciences cooperate in offering these programs which are described in the Graduate Catalog.

GRADUATE COURSE CREDIT

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.

SOCIAL AND BEHAVIORAL SCIENCES COURSES

CSO—Orientation

100 Academic Orientation. (1) I. An introduction to the programs of the University and the College. Discussion of how to study, what to consider in choosing a profession, and what career opportunities exist for graduates from the College's programs. Additional topics include University regulations, publications, and support areas. Not open to students with more than 30 semester hours.

CSB—Interdisciplinary

315 Topics in Social Science General Education. _____. (3) A. An experimental General Education course. Content will vary with each offering. May be retaken to a maximum of six hours provided subject matter differs each time. Gen. Ed. 12.

499 Independent Work. (3-6) I, II. Independent research and/or field work required for the program of Bachelor of Individualized Studies. Prerequisite: GPA of 2.5 up to last semester of program in Bachelor of Individualized Studies degree. May be retaken to a maximum of six hours credit provided a different subject is studied each time.

500 Interdisciplinary Seminar. (3) A. In-depth consideration of problems which involve several disciplines. A different problem will be considered each time course is offered. Representatives of various disciplines will participate in instruction. May be retaken to a maximum of six hours, provided subject matter differs each time.

GRADUATE COURSE

700 Interdisciplinary Seminar. (3) A.

Economics

MAJOR (BACHELOR OF ARTS)

In cooperation with the Department of Economics, the College of Social and Behavioral Sciences offers the Bachelor of Arts in Economics. Course offerings are listed in the Department of Economics, under the College of Business section of this Catalog. The degree requirements for the B.A. in Economics are listed below.

Major Requirements ..... 30 hours
ECO 230, 231, 320, 324, 350, 351, and 530, plus nine additional hours of upper division courses in Economics.

Supporting Course Requirements ..... 18-36 hours
These requirements will be determined by consultation between the Chair of the Department of Economics and the Dean of the College of Social and Behavioral Sciences.

General Education Requirements ..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 7 to 25 hours

Total Curriculum Requirements ..... 128 hours

Economics (Teaching)

MAJOR (BACHELOR OF ARTS)

In cooperation with the Department of Economics, the College of Social and Behavioral Sciences offers the Bachelor of Arts in Economics (Teaching). This major must be taken in conjunction with an approved major or minor.

The supporting major or minor must be approved by the Dean of the College of Social and Behavioral Sciences and the Chair of the Department of Economics and the Department of Curriculum and Instruction.

Major Requirements ..... 30 hours
ECO 230, 231, 320, 324, 350, 351, and 530, plus nine additional hours of upper division courses in Economics.

Supporting Course Requirements ..... 21-30 hours
A major or minor approved by the Dean of the College of Social and Behavioral Sciences and the Chair of the Department of Economics.

Teacher Education Requirements ..... 28 hours
EDF 102, 202, 317, EPY 318, ESE 449, 498, 499.

General Education Requirements ..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... 134-143 hours

DEPARTMENT OF

ANTHROPOLOGY, SOCIOLOGY, AND SOCIAL WORK

S. Savage, Chair; Allen, Banks, Burnham, Curra, Denton, Futrell, Goldstein, Good, Luhman, Mohanty, Walker, Welch, Winther, Wisenbaker.

This department offers degrees in anthropology, sociology, and social work. Anthropology is the study of humankind from a broad viewpoint, examining human biological and cultural diversity through time and space. Anthropology emphasizes the interaction of human biology, culture, and the environment. The curriculum helps students to understand persons of different cultural and ethnic heritages, and themselves, in relation to both biological and cultural evolution. This perspective helps to prepare persons for careers in teaching, industry, government, law, developmental agencies, public relations, social science research, journalism, administration, and social work. Anthropological studies provide training applicable for employment in public health, state salvage archeology, park service, and museum curatorship. Students with undergraduate degrees in anthropology are also prepared for graduate training in anthropology.

The program in sociology is designed for persons desiring to learn about social relationships and societal processes. In their studies students examine the dynamics of social change, social organization, deviance and crime, the emergence of personality, and other topics. Students also acquire skills in data analysis and social research.

Persons with sociology majors find employment and academic opportunities in teaching, social welfare, personnel and industrial placement, criminal justice agencies, research in public agencies, and work in community organizations such as city planning departments, health and recreational facilities, and housing programs. Many sociology majors continue their studies with graduate programs in sociology, demography, criminal justice, or related areas.

Social Work is the professional application of social work values, principles, and techniques to one or more of the following ends: helping people obtain tangible services; helping individuals, families, and groups to improve their social functioning; helping communities or groups provide or improve social and health services; and participating in relevant legislative processes. The practice of social work requires knowledge of human development and behavior; of social, economic and cultural institutions; and of the interaction of all of these factors. The major in social work has two primary goals:

1. To assist the student in developing the necessary skills, attitudes, and knowledge base for beginning generalist social work practice in a variety of public and private agencies; and

2. To provide a knowledge, value, and skill base with which the student may further develop professional growth through graduate work, continuing education courses, and other professional development programs.

Anthropology

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 33 hours
ANT 120, 201, 210, 211, and 15 hours of upper division anthropology courses, including nine hours selected from three of the following four categories:
ANT 345, 470 or equivalent;
ANT 330, 331, or 435;
ANT 440;
ANT 365 or 380;
and six hours in anthropology to be selected in consultation with the advisor.

General Education Requirements ..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 40 hours

Total Curriculum Requirements ..... 128 hours

MINOR IN ANTHROPOLOGY

A student may minor in anthropology by taking a minimum of 18 hours as follows: ANT 120, 201, 210 or 211, and nine hours of upper division anthropology electives.

Sociology

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 30 hours
SOC 131, 232, 320, 395, 460, 470 or 520, 561, and nine hours of upper division sociology courses.

General Education Requirements ..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 43 hours

Total Curriculum Requirements ..... 128 hours

Sociology (Teaching)

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 30 hours
SOC 131, 232, 320, 395, 460, 470 or 520, 561, and nine hours of upper division sociology courses.

Minor ..... 21 hours
A 21 hour teaching minor in art, English, French, history, mathematics or Spanish is required unless a student has a second major in one of these programs.

Teacher Education Requirements ..... 28 hours
EDF 102, 202, 317, EPY 318, ESE 449, 498, 499.

General Education Requirements ..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... 128 hours*

*Careful selection of minor courses is required to stay within the 128 hour total.

MINOR IN SOCIOLOGY

A student may minor in sociology by completing the following courses: SOC 131 and 15 hours of sociology electives, 12 of which must be upper division. Three hours of upper division anthropology may be applied to the 15 hours. A total of 21 semester hours is required for a teaching minor.

SOCIAL WORK PROGRAM

To major in social work a student must declare social work as a first major. To enroll in either of the practicum courses, SWK 390 or SWK 490, a student is required to complete the prerequi-

sites for the specific course; maintain a cumulative grade point average of 2.0; attain a minimum grade of "C" in each course specified for the major and supporting courses; and apply for admission to the specific practicum course the semester prior to enrollment. For additional information, contact the practicum instructor.

Social Work

MAJOR (BACHELOR OF SOCIAL WORK)

Major Requirements ..... **42 hours**
SWK 210, 280, 310, 311, 315, 316, 320, 380, 390, 410, 480, and 490.

Supporting Course Requirements ..... **15 hours**
POL 333, PSY 202, SOC 131, 232, 400.

General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **16 hours**
To broaden their experience and knowledge, students are encouraged to complete their programs with electives selected from anthropology, child development, economics, health, management, law enforcement, political science, psychology, recreation, rehabilitation, sociology, special education, and speech.

Total Curriculum Requirements ..... **128 hours**

MINOR IN SOCIAL WELFARE

A student may minor in social welfare by completing the following courses: SWK 210, 310, 311, 410, and six hours of upper division social work or sociology electives.

GRADUATE PROGRAMS

The Department of Anthropology, Sociology, and Social Work offers graduate level courses in support of the Community Development Option of the Master of Public Administration Program offered in the Department of Government. The Master of Arts in Education degree with an option in Sociology is offered in the College of Education with the cooperation of the Department of Anthropology, Sociology, and Social Work. The regulations for this degree may be found in the College of Education section of the Graduate Catalog.

Course Descriptions

ANT—Anthropology

120 Introduction to Cultural Anthropology. (3) I, II. Explanation of culture and related concepts. Development of generalizations concerning social, economic, political, and ritual organization, based chiefly on comparative study of various traditional societies. Includes a brief survey of archeology and linguistics. Gen. Ed. 09.

201 Introduction to Physical Anthropology. (3) I, II. General survey of the principal areas of physical anthropology, emphasizing contemporary human biological variation and including an appraisal of mankind's place within the biological realm and the role of genetics, osteology, and primatology in the study of humans. 2 Lec/2 Lab. Gen. Ed. 15 or 16.

206 Human Evolution. (3) A. An introduction to primate and human evolution, emphasizing the fossil evidence of mankind's evolution and the development and evolution of human material culture. 2 Lec/2 Lab. Gen. Ed. 15 or 16.

210 Non-Industrial Societies Around the World. (3) I, II. Descriptive survey of non-industrial societies from various parts of the world, emphasizing the levels of societal development. Gen. Ed. 10.

211 Industrial Societies Around the World. (3) I, II. Various aspects of cultures in the Industrial Age, presented in evolutionary and global perspective, and including the industrialization of the underdeveloped world, and the implications of automation, cybernetics, and other technology. Gen. Ed. 11.

325 Problems in Contemporary Cultures. (3) A. Anthropological approach to contemporary history including cultural crises in industrialized civilizations, and the problems arising from the industrialization of traditional societies. Implications of current trends in culture change. Problems addressed dependent upon instructor. Gen. Ed. 12.

330 American Indians. (3) A. Prerequisite: ANT 120 or 201 or 210 or 211 or instructor approval. Descriptive and comparative study of representative native American cultures, emphasizing Indians of North America, and including culture area concept and culture change since European contact.

331 Appalachia: A Cultural Perspective. (3) A. Cross listed as SWK 331. Prerequisite: SOC 131 and three hours of ANT, SOC, or SWK. Sociocultural perspective of Appalachia. Relationship of physical characteristics; beliefs; occupation; personality; family/kinship patterns to health. Cross-cultural professional practice skills and errors of intercultural helping.

340 Folk and Peasant Societies. (3) A. Prerequisite: ANT 120 or 210 or 211 or instructor approval. Emphasizes the relatively stable nature of these societies and their extensiveness. Consideration of problems resulting from contacts with non-peasant societies.

345 Selected Topics in Archeology:_____. (3) A. Prerequisite: ANT 120 or 210 or 211 or instructor approval. Sample topics: systems of chronology, historic archeological sites. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

365 Selected Topics in Physical Anthropology:_____. (3) A. Prerequisite: ANT 201 or instructor approval. Sample topics: monkeys, apes, and humans; paleopathology; human osteology. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

375 Selected Topics:_____.(3) A. Prerequisite: ANT 120 or 210 or 211 or instructor approval. Sample topics: Legal and Political Anthropology, Population Genetics, Cultural Ecology. May be retaken to a maximum of nine hours credit, provided the subject matter differs each time.

380 Forensic Anthropology. (3) A. Prerequisite: ANT 201 or instructor approval. Forensic osteology and dentistry; including demographic methods, pathology, and practical methods of collecting human physical evidence; and the role of the expert witness. 2 Lec/2 Lab. Gen. Ed. 15 or 16.

399 Sex Roles in Traditional and Contemporary Society. (3) A. Cross listed as SOC 399. Prerequisite: ANT 120 or 210 or 211 or SOC 131 or instructor approval. Consideration of the roles women and men have in traditional societies and their changing roles in industrial societies.

415 Anthropological Gerontology. (3) A. A comparative and historical study of the physical and sociocultural aspects of human aging from a societal and global perspective.

435 Area Course in Ethnology:_____. (3) A. Prerequisite: ANT 120 or 210 or 211 or instructor approval. Cultures in selected areas of the world. May be retaken to a maximum of six hours credit, provided the subject matter differs each time.

440 Language and Culture. (3) A. Prerequisite: instructor approval. Analysis of the role of language in human experience; mutual effect of language on culture, and culture on language.

470 Field Methods: Archeology. (3) A. Prerequisite: 12 hours in anthropology or instructor approval. Introduction to both excavating techniques and laboratory classifications and the analysis of evidence. Attention given to accurate reporting and analysis.

590 Tutorial in Anthropology. (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken to a maximum of six hours credit, provided the subject matter differs each time. Directed study in anthropology.

GRADUATE COURSE

790 Tutorial in Anthropology (1-3) A.

SOC—Sociology

131 Introductory Sociology. (3) I, II. Basic principles and concepts of sociology, including culture, personality, social structure, group, social processes, and social change. Gen. Ed. 09.

232 Introductory Sociological Analysis. (3) I, II. Prerequisite: SOC 131. Analysis of sociological concepts in terms of concept formation, measurement, interpretation, and presentation in graphic and table form.

235 Social Problems. (3) I, II. Analysis of selected social problems such as crime, mental illness, homosexuality, divorce, population,

and poverty. The analysis includes the definition, causes, and consequences of social problems. Gen. Ed. 12.

237 Population and Society. (3) A. Examination of population problems; national and international policies and relationships between population and social structure. Gen. Ed. 12.

245 Sociology of the Family. (3) A. Prerequisite: SOC 131. Family as an institution in society; its relation to cultural transmission and personality development; its relation to the wider institutional structure of society.

305 Computers and Society. (3) A. Cross listed as CSC 305 and POL 305 The influence of computers on social and political processes. Software related to socio-political issues.

313 Social Deviance. (3) A. Examination of the social and cultural setting of deviant behavior. Will include an examination of the process of becoming deviant as well as specific types of deviance such as suicide, drugs, sexual deviance and mental disorders.

320 Mind, Self and Society. (3) A. Prerequisite: SOC 131. Relation of the individual to the sociocultural environment, with special reference to personality development, interpersonal role-behavior, motivation, and social attitudes.

340 Juvenile Delinquency. (3) A. Prerequisite: SOC 131. Survey of theories of juvenile delinquency, including evaluation of the constitutional, psychological, and sociological approaches, and dealing with prediction, treatment, and control.

347 The Sociology of the Underground Economy. (3) A. Examination of the underground economy and the consequences of underground economic activity for society.

350 Selected Topics in Sociology:_____. (3) A. Prerequisite: SOC 131 or instructor approval. May be retaken to a maximum of nine hours provided the subject matter differs each time. Sample topics: Appalachian sociology; sexism and society; utopias.

353 Sociology of Health and Illness. (3) A. Prerequisite: SOC 131 or instructor approval. Social and cultural dimensions of health and illness; analysis of mainstream and alternative health professions and medical facilities.

360 The Community. (3) A. Prerequisite: SOC 131. Characteristics of community relations in society; structure of and changes in community life; changing needs and resources of modern communities.

375 Criminology. (3) A. Prerequisite: SOC 131. Survey of theories of criminal behavior as applied to the social processes of law making and law breaking; prediction and control of crime.

395 Research Methods in Sociology. (3) II. Prerequisites: SOC 131 and SOC 232. Methods and techniques of sociological research; includes collecting, measuring, analyzing, processing, and presenting social data.

399 Sex Roles in Traditional and Contemporary Society. (3) A. Cross listed as ANT 399. Prerequisite: ANT 120 or 210 or 211 or SOC 131 or instructor approval. Consideration of the roles women and men have in traditional societies and their changing roles in industrial societies.

400 Racial and Cultural Minorities. (3) A. Prerequisite: SOC 131. Analysis of dominant and minority groups from the perspective of sociology and related social sciences with an emphasis on racial and cultural groups in the United States. An examination of prejudice and discrimination.

410 Political Sociology. (3) A. Prerequisite: SOC 131 or instructor approval. Analysis of political behavior and institutions within the structure of society; social attitudes, voting behavior, and political activity.

450 Social Change. (3) A. Prerequisite: six hours of sociology or instructor approval. Analysis of theories of social and cultural change in terms of process and direction and methodological issues.

455 Collective Behavior. (3) A. Prerequisite: six hours in sociology. Analysis of mass phenomena such as public opinion, rumors, fads, mobs, riots, panics, and social movements; including a consideration of the development and termination of collective behavior forms.

460 Sociological Theory I -- Classical Writers. (3) I. Prerequisite: nine hours in sociology. Early developments in sociological theory; definition of the field and formation of schools of theory; the basis upon which contemporary theories are built.

463 Social Stratification. (3) A. Prerequisite: six hours in sociology. Classic and recent studies of social classes and strata; critical analysis of recent research methods; social class, mobility aspirations.

465 Demography. (3) A. Formerly SOC 565. Methods of demographic analysis with special emphasis on sources and uses of demographic data; models of population processes such as mortality, fertility, and migration.

470 Seminar in Sociology. (3) A. Prerequisite: nine hours in sociology or instructor approval. Systemic overview of sociology through a general survey of various subdisciplines of the field with emphasis on recent research, theory, issues, and developments.

492 Applied Sociology. (3) A. Prerequisite: six hours in sociology. Applications of principles of sociological theory to problems of present day society, analysis of past societies, or imaginative construction of future societies.

520 Social Organization. (3) A. Prerequisite; instructor approval. Analysis of various types of organizations in American society; internal and external processes and organizational structure.

561 Sociological Theory II -- Contemporary Writers. (3) II. Prerequisite: SOC 460 or instructor approval or graduate standing. Current state of sociological theories; recent formulations, controversies, and trends.

585 Sociology of Small Groups. (3) A. Prerequisite: SOC 131 or instructor approval. Studies in the way people behave in small groups; emergence of leadership and coalitions; how changes in task requirements and rules influence the behavior of group members.

590 Directed Study. (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken to a maximum of six hours provided the subject matter differs each time. Directed study in sociology.

GRADUATE COURSES

720 Social Organization. (3) A.
761 Sociological Theory II--Contemporary Writers. (3) II.
785 Sociology of Small Groups. (3) A.
790 Directed Study. (1-3) A.
845 Community Development. (3) A.
865 Demography. (3) A.
880 Survey Design and Analysis. (3) A.

SWK—Social Work

210 Introduction to Social Work. (3) I, II. Defines the social welfare system; presents a brief history; introduces philosophy, values, processes of the social work profession; emphasizes the relationship aspect of social work; includes a volunteer requirement.

280 Human Social Interactions. (3) I, II. Prerequisites: SOC 131 and SWK 210. Systems view of human behavior and social environment; explores developmental life cycle within social work perspective, emphasizes sociobiological nature of individual human system; diversity of human experience is addressed.

310 Social Welfare Services I. (3) I, II. Prerequisite: SWK 210. Study of income maintenance programs and services to families and children; role of social workers in these programs.

311 Social Welfare Services II. (3) A. Prerequisite: SWK 310 or instructor approval. Study of social programs/services in specialized systems such as health care, corrections, women's services, mental health, and gerontology; role of social workers in these systems.

315 Social Work Practice I. (3) I, II. Prerequisite: SWK 280 or instructor approval. Corequisite: SWK 320. Theoretical base and basic practice skills for beginning social workers. Includes skills in problem assessment, data collection, contact initiation, and contract negotiation.

316 Social Work Practice II. (3) A. Prerequisite: SWK 315. Student develops skills in formation, maintenance, and coordination of action systems of all sizes; use of influence, evaluation, and effective termination. Tools used include group interaction, community investigation, and program development.

320 Practice Skills Seminar. (1) I, II. Corequisite: SWK 315. Weekly one-hour seminar for students to develop and experiment with various aspects of the social work process; interviewing skills, sensitivity, data collection, initial contact, and contract negotiations.

331 Appalachia: A Cultural Perspective. (3) A. Cross listed as ANT 331. Prerequisites: SOC 131 and three hours of ANT, SOC, or SWK. Sociocultural perspective of Appalachia. Relationship of physical characteristics; beliefs; occupation; personality; family/kinship patterns to health. Cross-cultural professional practice skills and errors of crosscultural helping.

380 Human and Social Processes. (3) I, II. Prerequisites: SWK 280, POL 333, and PSY 202. Integration of biological, psychological, social structural and cultural theories as they impact human behavior--individual and collective. Systems, human diversity, and goal-directed behavior perspectives.

390 Field Experience in a Social Agency. (3) A. Prerequisite: SWK 315. May be taken concurrently with or following SWK 316. Eight hours per week in an agency, special community program, or project approved by Practicum Coordinator plus weekly one-hour seminar. Applications of practice theory and process. Student must apply the previous semester. Social Work majors only.

410 Social Welfare Policy. (3) I, II. Prerequisite: SWK 310. Relationships among social institutions; dynamics of policy formulation and analysis; policy-relevant tasks of social workers; impact of social welfare policies on human well-being.

455 Selected Topics in Social Work. (3) A. Prerequisite: instructor approval. Course content will be determined by student interest, instructor specialty, and new developments in the profession. May be retaken to a maximum of six hours provided subject matter differs each time.

456 Children's Services. (3) A. Prerequisite: instructor approval. Critical appraisal of societal values of priorities underlying services to children. Examines range of services and skills used in social work practice with children; understanding psycho-social needs of children.

457 Services for the Elderly. (3) A. Prerequisite Instructor approval. Examines societal values relating to the elderly psycho-social needs of the elderly; community-based and institutional services; and dynamics of working with the elderly and their families.

480 Professional Issues and Ethical Dilemmas. (2) A. Prerequisite: SWK 390. Seminar: Critical analysis of the social welfare institution and the social work profession.

490 Social Work Practicum. (12) A. Prerequisites: gpa of 2.0 and completion of all other major requirements with a minimum of "C." Supervised practice in a social agency approved by Practicum Coordinator. Four days a week for 12 weeks plus weekly on-campus seminar. Application must be made through Practicum Coordinator the semester preceding placement. Social Work majors only.

590 Directed Study. (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken to a maximum of six hours provided the subject matter differs each time.

DEPARTMENT OF

GEOGRAPHY AND PLANNING

W. J. Walker, Chair; Adams, Kubiak, Marionneaux, Monsebroten, Quillen, Schwendeman, Zurick.

The major goals of the Department of Geography and Planning are to prepare professional geographers for a contributory role in society; to provide the necessary academic background for prospective teachers; and to provide geographic, planning, and tourism information and expertise to the state, local, and university communities.

Graduates with a geography degree may find employment and academic opportunities in such areas as teaching, cartography, remote sensing, economic development, resource management, urban and regional planning, tourism operations, or tourism marketing and development. Career opportunities exist in both the private and public sectors of the economy. A degree in geography also prepares students for advanced study in graduate school.

The Department offers programs of instruction leading to a Bachelor of Arts degree in Geography (teaching and non-teaching) with options in Planning or Travel and Tourism. Teaching and non-teaching minors are also offered. Students pursuing the B.A. in Geography (non-teaching) must take the 21 hour geography core, plus an additional 12 hours in geography. Students pursuing a geography major with an option in Planning or Travel and Tourism are required to take the geography core, plus the courses specified for the option.

Geography

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 33 hours
- **Geography Core ..... 21 hours**
  GEO 210, 220, 245 or 347, 321 or 322, 330, 450, and 490.
  Majors must select an option in Planning or Travel and Tourism **or** take the following geography courses: GEO 355, 356 or 556, 553, and three hours of upper division GEO electives ..... 12 hours
- **Options**
  - **Planning**
    PLA 220, GEO 355, and six hours of upper division PLA electives ..... 12 hours
  - **Travel and Tourism**
    TNT 210, 310, 410, and 415 ... 12 hours

Supporting Course Requirements ..... 9-18 hours
- **Geography**
  GLY 108 and six hours to be selected from a departmental approved list ..... 9 hours
- **Planning**
  GLY 108 and six hours to be selected from a departmental approved list ..... 9 hours
- **Travel and Tourism**
  The student may minor in Business, Food service Administration, Planning and Development, Political Science, Public Relations, or select 18 hours from a departmental list of approved courses ..... 18 hours

General Education Requirements ..... 52-55 hours
Standard General Education program excluding course category 14 for the Geography major and for the Planning option. The Travel and Tourism option requires 55 hours. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 22-34 hours
- **Geography** ..... 34 hours
- **Planning** ..... 34 hours
- **Travel and Tourism** ..... 22 hours

Total Curriculum Requirements ..... 128 hours

Geography (Teaching)

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 30 hours
GEO 210, 220, 245, 302, 321 or 322, 330, 347, 450, and six hours of upper division GEO electives.

Minor ..... 21 hours
A 21-hour teaching minor in art, English, French, history, mathematics, or Spanish is required unless the student has a second major in an appropriate discipline.

Teacher Education Requirements ..... 28 hours
EDF 102, 202, 317, EPY 318, ESE 449, 498, 499.

General Education Requirements ..... 49 hours
Standard General Education program, excluding course categories 12 and 14. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... 128 hours

MINOR IN GEOGRAPHY

A student may minor in geography by completing a minimum of 18 semester hours as follows: GEO 210, 220, 330, 490, and six hours of upper division GEO electives.

MINOR IN GEOGRAPHY (TEACHING)

A student may minor in geography (teaching) by completing a minimum of 21 semester hours as follows: GEO 210, 220, 245, 330, plus nine hours of upper division GEO electives.

MINOR IN NATURAL RESOURCE ANALYSIS

A student may minor in natural resource analysis by completing a total of 18 hours as follows: GEO 210, 355, 356, 556, plus six hours from GEO 302, 450, 501, PLA 300.

MINOR IN PLANNING AND DEVELOPMENT

A student may minor in planning and development by completing a total of 18 hours as follows: PLA 220, GEO 355, 490, six hours of upper division PLA electives, and three hours electives from GEO 321, 322, 450, POL 333, 370.

GRADUATE PROGRAMS

The Department of Geography and Planning provides graduate level courses as support for other related disciplines including the Community Development Option in the Master of Public Administration Program offered by the Department of Government.

The Master of Arts in Education degree with an option in geography is offered in the College of Education with the cooperation of the Department of Geography and Planning. The regulations for the degree may be found in the College of Education section of the Graduate Catalog.

Course Descriptions

GEO—Geography

101 Introduction to Geography. (3) A. Study of the principles of geography stressing cultural change as it pertains to human and physical environment distributions, relationships, and interactions over the earth. Gen. Ed. 09.

170 Maps and Navigation. (3) A. An introductory course designed to aid students in reading, interpreting, and using various types of maps. The specific focus will be on those maps utilized in applied navigation, e.g., dead reckoning.

201 Historical Geography I: Pre-industrial Era. (3) A. The study, from a geographic perspective, of the earth's early human occupancy and the divergent development of culture systems and technologies prior to the industrial revolution. Gen. Ed. 10.

202 Historical Geography II: Modern World. (3) A. Study of the elements of cultural convergence in the modern world and how human technologies have advanced to become the dominant agencies in changing the geography of the earth in the modern period of human occupancy. Gen. Ed. 11.

210 Introduction to Physical Geography. (3) A. Study of natural processes operating at the earth's surface with special emphasis on weather and climate and landforms as explanations for *how* and *why* physical and human phenomena vary from place to place. 2 Lec/2 Lab. Gen. Ed. 14.

215 Introduction to Meteorology. (3) A. This is a non-technical introduction to meteorology designed for non-science majors. Emphasis is placed on the interpretation of weather phenomena and their effects on people. Gen. Ed. 15 or 16.

220 Cultural Geography. (3) A. Introduction to basic concepts of cultural geography, emphasis on analysis of various culture elements and reasons for their regional character and variations.

245 Regions and Nations of the World. (3) A. Formerly GEO 345. Study of the rapidly changing world regions and the resulting problems. Specific attention will be directed toward present areas of international concern. Gen. Ed. 12.

300 Geography:_____. (3) A. Prerequisite: instructor approval. Designed for study of special topics. The specific orientation (cultural, physical, field studies, etc.) will follow course title. May be retaken to a maximum of nine hours provided subject matter differs each time.

302 Conservation and Environmental Problems. (3) A. Formerly GEO 402. Examination of environmental problems, their relationship to technology, and the application of principles of conservation. Gen. Ed. 12.

321 Urban Geography. (3) A. Formerly GEO 421. Study of city functions, patterns, and past and current problems confronting the city, including the problems of planning, zoning, community housing, shopping centers, and urban renewal. Gen. Ed. 12.

322 Political Geography. (3) A. Formerly GEO 422. Study of major areas of international concern focusing on geographic variations and political behaviors which have created modern political diversity. Gen. Ed. 12.

330 Economic Geography. (3) A. Description and analysis of world primary, secondary, and tertiary economic systems and functions.

347 Regional Geography:_____. (3) A. Physical, cultural, and economic geography of a selected region (e.g., Europe, North America, Kentucky) with emphasis on the region's current problems. May be retaken to a maximum of 12 hours provided subject matter differs each time.

349 Cooperative Study: Geography. (1-8) A. Prerequisite: departmental approval. Work in placement related to academic studies. One to eight hours credit per semester or summer. Total hours for baccalaureate 16. A minimum of 80 hours employment required for each semester hour credit. No more than six hours may count toward the major.

355 Cartography. (3) A. Map compilation, execution, proofing, and reproduction, utilizing a variety of techniques, material, and tools in laboratory exercises. Lectures provide supplementary information and cover current developments. 1 Lec/4 Lab.

356 Aerial Photo Interpretation. (3) A. Principles of air photo interpretation. Use of photos and instruments in making measurements, inventories, sampling, and in planning. Emphasis is on interpretation of land forms, soils, land use, and vegetation.

450 Field Studies. (3) A. Prerequisite: instructor approval. Field techniques and applied case studies of geographic topics in both immediate and distant environs. 1 Lec/4 Lab and field exercises.

490 Senior Seminar. (3) A. Prerequisite: twelve hours of geography or departmental approval. A comprehensive study of geography including such topics as historical development, major concepts, role of the discipline, and trends.

495 Practicum. (3-6) A. Prerequisite: geography major. Students will work under departmental supervision in governmental, corporate, or private enterprises which are engaged in applied geography. Determination of the number of hours will be made by the department, depending upon the range and depth of activities to be engaged in. May not be retaken.

498 Independent Study. (3) A. Prerequisite: departmental major with a senior standing. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

501 Advanced Geography:_____. (3) A. Prerequisite: departmental approval. In-depth study of physical, cultural, or economic geography themes. May be retaken to a maximum of six hours if subject matter differs each time.

550 Field and Research Methods in Geography. (3) A. Formerly GEO 850. Cross listed as PLA 550. Detailed reconnaissance field work, including classification of natural and cultural features, interview procedures, and preparation of geographical reports. Credit will not be awarded for both GEO 550 and GEO 750.

551 Seminar in History and Philosophy of Geography and Planning. (3) A. Formerly GEO 851. Prerequisite: departmental approval. Discussion of the history and development of geographic thought, various schools of geography, philosophies in geography, current and future trends. Credit will not be awarded for both GEO 551 and GEO 751.

553 Research Application in Geography. (3) A. Prerequisite: introductory statistics course. Statistical and computer techniques applied to geography and planning problems. 2 Lec/2 Lab. Credit will not be awarded for both GEO 553 and GEO 753.

555 Advanced Cartography. (3) A. Prerequisite: GEO 355 or instructor approval. Advanced techniques of cartographic presentation of data to include computer applications. 1 Lec/4 Lab. Credit will not be awarded for both GEO 555 and GEO 755.

556 Remote Sensing. (3) A. Prerequisite: departmental approval. Characteristics, uses, and interpretation of several types of remote sensing imagery, emphasizing aerial and multispectral scanner radar, and thermal infrared imagery, including digital data processing by computer satellite imagery. Credit will not be awarded for both GEO 556 and GEO 756.

597 Special Studies in Geography. (3) A. Formerly GEO 897. Cross listed as PLA 597. Prerequisite: departmental approval. Directed work in geography. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Credit will not be awarded for both GEO 597 and GEO 797.

GRADUATE COURSES

701 Advanced Geography:_____. (3) A.
750 Field and Research Methods in Geography. (3) A.
751 Seminar in History and Philosophy of Geography and Planning. (3) A.
753 Research Applications in Geography. (3) A.
755 Advanced Cartography. (3) A.
756 Remote Sensing. (3) A.
797 Special Studies in Geography. (3) A.

PLA—Planning

220 Introduction to Planning. (3) A. Introduction to urban, regional, state, and national planning. Topics include the development of planning and its vocabulary; the process, functions, and organization of planning; and planning for elements and systems.

300 Planning Topics:_____. (3) A. Designed to provide study in specific topics to include land use and environmental planning, human resource planning, and transportation planning. May be retaken to a maximum of nine hours provided if subject matter differs each time.

349 Cooperative Study: Planning. (1-8) A. Prerequisite: departmental approval. Work in placement related to academic studies. One to eight hours credit per semester or summer. Total hours for baccalaureate 16. A minimum of 80 hours employment required for each semester hour credit. No more than six hours may count toward the major.

495 Practicum. (3-6) A. Prerequisite: planning major. Students will work under departmental supervision in governmental, corporate, or private enterprises which are engaged in planning. Determination of the number of hours will be made by the department, depending upon the range and depth of activities to be engaged in. May not be retaken.

498 Independent Study. (3) A. Prerequisite: departmental approval. Independent study topic in specific aspects of planning. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

521 Seminar in Planning:_____. (3) A. Formerly PLA 821. Prerequisite: departmental approval. In-depth study of urban or regional planning topics, such as growth management and land use. May be retaken to a maximum of six hours provided subject matter differs each time. Credit will not be awarded for both PLA 521 and PLA 721.

550 Field and Research Methods in Planning. (3) A. Formerly PLA 850. Cross listed as GEO 550. Detailed reconnaissance field work, including classification of natural and cultural features, interview procedures, and preparation of planning reports. Credit will not be awarded for both PLA 550 and PLA 750.

597 Special Studies in Planning. (3) A. Formerly PLA 897. Cross listed as GEO 597. Prerequisite: departmental approval. Directed work in planning. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. Credit will not be awarded for both PLA 597 and PLA 797.

GRADUATE COURSES

721 Seminar in Planning:_____. (3) A.
750 Field and Research Methods in Planning. (3) A.
797 Special Studies in Planning. (3) A.

TNT—Travel and Tourism

210 Travel and Tourism. (3) A. Formerly TRA 410. Travel and tourism are examined in terms of conceptual framework, spatial considerations, and economic, physical, and social impacts.

310 Travel and Tourism Operations. (3) A. Prerequisite: TNT 210 or departmental approval. Introduction to the function and operating procedures of the major business sectors (e.g., travel agencies, air carriers, tour operations) within the travel-tourism industry. One or more field experiences will be included.

349 Cooperative Study: Travel and Tourism. (1-8) A. Prerequisite: departmental approval. Work in placement related to academic studies. One to eight hours credit per semester or summer. Total hours for baccalaureate, 16. A minimum of 80 hours employment required for each semester hour credit.

410 Tourism Development. (3) A. Prerequisite: TNT 210 or departmental approval. An in-depth study of the planning process, the determination of marketing strategies, and the economic impact of tourism development.

415 Current Issues in Travel and Tourism. (3) A. Prerequisite: TNT 210 or departmental approval. A comprehensive study of current issues, trends, problems, and opportunities in the travel and tourism industry. Field trip and research paper required.

420A Internship. (3) A. Formerly TRA 420. Prerequisite: departmental approval. Students will work under departmental supervision in a private or public agency engaged in travel and tourism activities.

420B Internship. (3) A. Formerly TRA 420. Prerequisite: departmental approval. Students will work under departmental supervision in a private or public agency engaged in travel and tourism activities.

498 Independent Study. (3) A. Prerequisite: departmental approval. Independent study topic in specific aspects of travel and tourism. Student must have the independent study proposal form approved by faculty advisor and departmental chair prior to enrollment.

DEPARTMENT OF

GOVERNMENT

Political Science
Public Administration
Legal Studies

R. Kline, Chair; Blanchard, Busson, Dean, Fretty, Heberle, Isaac, Kwak, J. McCord, Patton, G. Rainey, J. Rainey, Singleton, Vance, Wimberly.

Political science is the study of government: its purpose, structure, operation and activities; its relationships with persons and groups; and international, intergovernmental relations. Public administration is concerned with the responsibilities and activities of professionals in government, and the Department's paralegal and political science courses give much attention to law.

The Department of Government offers programs of instruction leading to Bachelor of Arts degrees in Political Science, Political Science (Teaching), and Paralegal Science and to the Associate of Arts degree in Paralegal Studies. The paralegal programs, which are accredited by the American Bar Association, prepare students for professional careers assisting attorneys in the provision of legal services, mainly in law offices, government agencies and corporate legal departments. The two year Paralegal Studies program is intended primarily for persons who are already working in law offices or who have had substantial relevant work experience. The Department's public administration courses follow guidelines of the National Association of Schools of Public Affairs and Administration and are intended partly to prepare students for governmental and public service careers.

Study of political science helps prepare students for a wide variety of employment, including that in government, business, teaching, communications, and the military services. Both the Political Science and Paralegal Science programs include many elective hours, which can be used to enhance knowledge and skills related to many kinds of employment. The Department's majors can continue career preparation in post-baccalaureate professional study of, for example, law, public or business administration, journalism, social work, education, counseling, theology, planning, architecture, and international affairs.

Political science is concerned with ideas as well as facts, and study of political science will strengthen a person's ability to think critically; to reflect upon situations and values; to empathize with other persons; to address problems; and to express findings and thoughts both orally and in writing.

Political Science

MAJOR (BACHELOR OF ARTS)

Major Requirements . . . . . 33 hours
POL 101 and six hours from international relations and/or comparative courses; six hours from American government and/or public administration courses; three hours from POL 557, 558, or 559; POL 380; plus 12 other hours in political science. A

total of 18 hours must be in courses numbered 300 or above. (To identify courses in international relations, comparative government, American government, public administration, and methodology see the note immediately under the heading "Course Descriptions.")

General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **40 hours**

Total Curriculum Requirements ..... **128 hours**

MINOR IN POLITICAL SCIENCE

A student may minor in political science (non-teaching) by completing POL 101 plus 15 hours of which nine hours must be in courses numbered 300 or above.

Political Science (Teaching)

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **33 hours**
POL 101 and six hours from international relations and/or comparative courses; six hours from American government and/or public administration courses; three hours from POL 557, 558, or 559; POL 380, plus 12 other hours in political science. A total of 18 hours must be in courses numbered 300 or above. (To identify courses in international relations, comparative government, American government, public administration, and methodology see the note immediately under the heading "Course Descriptions.")

Minor ..... **21 hours**
A 21 hour teaching minor is required.

Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 449, 498, 499.

General Education Requirements ..... **52 hours**
Standard General Education program, excluding course category 12. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... ***128 hours**

*Careful selection of minor courses is required to stay within the 128 hour total.

MINOR IN POLITICAL SCIENCE (TEACHING) ..... **21 hours**
POL 101 and six hours from international relations and/or comparative courses; six hours from American government and/or public administration courses; plus six hours of political science courses. A total of 12 hours must be in courses numbered 300 or above. No more than six hours may be counted toward the teaching minor from POL 490, 495A, 495B, 496A, 496B, 497, or 498. (To identify courses in international relations, comparative government, American government, public administration, and methodology see the note immediately under the heading "Course Descriptions.")

PARALEGAL PROGRAMS

James McCord, Director

There are two paralegal programs in this department: Paralegal Science is a Bachelor of Arts program while Paralegal Studies is an Associate of Arts program.

In addition to the requirements specified below, students majoring in paralegal science must attain a minimum grade of "C" in all courses specified for the major and in supporting courses.

A grade of "C" must be earned in both LAS 210 and LAS 211 before a person will be admitted to any of the upper division LAS major requirements. Students transferring from another institution into Eastern's Paralegal Programs must take a minimum of 15 semester hours from those courses designated LAS and required for the major.

In addition to the requirements specified below, students majoring in paralegal studies must attain a minimum grade of "C" in all courses specified for the major, excluding General Education requirements and electives. An overall grade point average of 2.0 is required for graduation.

A grade of "C" must be earned in both LAS 210 and LAS 211 before a person will be admitted to any of the upper division LAS major requirements. Students transferring from another institution into Eastern's Paralegal Programs must take a minimum of 15 semester hours from those courses designated LAS and required for the major.

Paralegal Science

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **34 hours**
LAS 210, 211, 301, 302, 399, 401, plus 15 hours selected from LAS 310, 340, 350, 370, 380, 390, 392, 490, or ACC 210.

Supporting Course Requirements ..... **15 hours**
ACC 201, ENG 301, OAD 560, POL 101, and a choice of one from POL 460, 463, 464.

General Education Requirements ..... **55 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... **24 hours**

Total Curriculum Requirements ..... **128 hours**

Paralegal Studies

(ASSOCIATE OF ARTS)

Major Requirements ..... **31 hours**
LAS 210, 211, 301, 302, 399, and 401. In addition the student must take 12 hours from LAS 310, 340, 350, 370, 380, 390, or 392, ACC 210.

Supporting Requirements ..... **30 hours**
CSO 100*, six hours of English Composition*, three hours general education humanities*, POL 101*, three hours general education natural science* or MAT 100* or MAT 107*, and one hour of general education elective, ACC 201, ENG 301, and OAD 280. Also required are four hours of restricted electives to be met by MIL 101* and 102* or by electives chosen outside the student's major field of study.

Free Electives ..... **4 hours**

Total Curriculum Requirements ..... **65 hours**

GRADUATE PROGRAMS

Master of Arts

The Master of Arts in Political Science degree program is designed to accommodate the needs and interests of individual students. The program can serve as an intermediate degree for those who wish to continue doctoral level study, or study in law and other professional schools. The degree can also serve as preparation for advanced positions in government, industry, and other areas of employment as well as develop one's understanding of the political process and public policy.

Master of Public Administration

The Master of Public Administration degree program is recognized by having been accredited by the National Association of Schools of Public Affairs and Administration. The Department offers the degree of Master of Public Administration primarily for persons interested in government service. Specialized options in Court Administration, Community Health Administration, and Community Development are offered. The Institute of Government, an administrative unit of the Department, serves as focus for many activities connected with the public administration offerings.

Master of Arts in Education

The Master of Arts in Education degree with an option in political science is offered in the College of Education with the cooperation of the Department of Government. The regulations for the degree may be found in the College of Education section of the Graduate Catalog.

For further information, see the Graduate Catalog.

Course Descriptions

Note: POL courses are grouped as follows according to the below listed *middle* digits of the course numbers. For example, POL 210 is a comparative government course.

0 Special topics
1 Comparative Government
2 International Relations
3 American (State & Local)
4 American Political Process
5 Theory
6 Judicial Process
7 Public Administration
8 Methodology
9 Practicums, Internships, and Independent Study

POL—Political Science

100 Principles of Politics and Government. (3) I, II. An introductory social science course focusing on the political and governmental aspects of societies. Does not count toward Political Science major requirements. Gen. Ed. 09.

101 Introduction to American Government. (3) I, II. Principles, functions, and basic political institutions of the American system of government at the national level. Gen. Ed. 12.

201 Short Topics in Political Science. (1-3) A. A maximum of three short topics offered during any semester. The student may take any or all topics. May be retaken to a maximum of six hours when topics vary. For those qualified high school students enrolled in the topic "A Kentucky Locality" the grade of IP may be given.

210 Political Development: Traditional and Transitional Societies. (3) I, II. Examination of traditional and transitional nations and regions, past and present; relation between political development and social, economic, and political institutions; development of national identity. Gen. Ed. 10.

211 Political Development: Modern Societies. (3) I, II. Politics and political change in modern, industrial societies. Democratic and authoritarian systems as ways of promoting and dealing with technological, economic, and social changes and their consequences. Gen. Ed. 11.

220 Problems of International Politics. (3) I, II. Cooperation and conflict in the relations among nations. Diplomacy, military force, and international organizations as instruments, with emphasis on the international behavior of the great powers. Gen. Ed. 12.

300 Contemporary Political Problems. (3) I, II. Application of the skills of citizenship to problems of contemporary politics. Designed to increase the students' political awareness and ability to function politically in contemporary society. Gen. Ed. 12.

305 Computer and Society. (3) A. Cross listed as CSC 305 and SOC 305. The influence of computer on social and political processes. Software related to socio-political issues.

312 Politics in China. (3) A. Formerly POL 512/712. Analysis of political development, organizational structure, and operation of Chinese political systems with particular emphasis on Chinese Communism, foreign policies, and contemporary problems in China.

315 Politics of Western Democracies. (3) A. Prerequisite: three hours of political science or instructor approval. Examination of major characteristics, similarities and differences in the political systems of selected Western democracies.

316 Soviet Politics. (3) A. Survey of domestic politics in the USSR; background and development of the Soviet system; the party-state structure; the policy-making process and power struggle; relation of the system to Soviet society.

317 Politics and Religion. (3) A. Interaction of government, politics, and religion in the U.S. and other countries; theories of church-state relations; religious organizations as pressure groups, agents of socialization, objects of government policies; religion and nationalism.

321 American Foreign Policy. (3) II. Prerequisite: three hours of political science or instructor approval. Analysis of the internal processes and external factors which affect U.S. foreign policy, with emphasis on the post-World War II period. Case studies in decision-making.

325 International Security Affairs. (3) I. Analysis of major problems of national/international security, the role of military power and arms control in the nuclear era, with emphasis on military-security policies of great powers.

327 International Law and Organization. (3) A. Prerequisite: three hours of political science or instructor approval. Analysis of the development of the U.N.; functional and regional approaches to peace, security, economic cooperation, social welfare, and law in international relations.

331 Urban Politics. (3) A. Political processes of urban areas including comparisons of alternative structures of urban and other local government.

332 Kentucky Government and Politics. (3) I, II. An overview of the Kentucky political system: major institutions, processes and political leaders, with emphasis on recent events and developments. Credit will not be awarded for both POL 332 and POL 401B.

333 American State and Local Government. (3) A. Formerly POL 230. Study of the institutions and processes of government of the fifty states and of cities and counties.

340 American Politics: Parties, Public Opinion and Pressure Groups. (3) A. Prerequisite: POL 101 is recommended. Informal political institutions of American government; functions, organization, financing of political parties, public opinion, and pressure groups. Their relationship to democracy.

341 The Legislative Process: Congress and State Legislatures. (3) A. Prerequisite: POL 101 is recommended. A systematic examination of the decision-making process in Congress and state legislature.

342 The American Chief Executive: President and Governor. (3) A. Prerequisite: POL 101 is recommended. An examination of the power and functions of the offices of the president and governor. Recent developments affecting the American president will be emphasized.

345 Minority Group Politics. (3) A. Prerequisite: POL 101 is recommended. Examination and comparison of various theories, strategies, forms of participation, leadership styles, and concepts (e.g., Black Power) of minority group politics.

349 Cooperative Study: Political Science. (1-8) A. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit. No more than six hours may count toward this major.

357 American Political Thought. (3) A. Study of the political philosophy and values that have shaped the American political system. Emphasis given to problems in democratic theory and to competing ideologies within the American political system.

360 Judicial Process. (3) A. Study of legal and judicial systems in the United States and their role in the American political process.

370 Introduction to Public Administration. (3) A. Prerequisite: POL 101 or 333. Survey of organization, authority, decision-making, intra-organization communications and application of principles of the American bureaucracy by case studies.

371 Governmental Administration of Social Services, Programs, and Agencies. (3) A. Prerequisite: three hours of political science or social work, or instructor approval. Examination of the political and administrative problems in public agencies and survey of management tools available to those responsible for the delivery of social services.

374 Introduction to Public Policy. (3) A. Introduction to the role of federal, state, and local governments in the formulation, implementation, and evaluation of public policies. Examples of policy decisions which might

be covered include, energy, housing, environmental quality, and social services.

376 Public Personnel Policy. (3) A. Overview of institutions, policies, and practices for utilization of human resources in government. Analysis of contemporary issues. Civil Service systems, public unionism, affirmative action, public sector efficiency.

377 Public Budgeting. (3) A. The political consideration of budget formulation, budget strategy, and budget execution. An analysis of the role of taxes, spending, program evaluation, and planning in the budgeting process at the federal, state, and local levels.

380 Research and Writing in Political Science. (3) A. Formerly POL 301. Prerequisite: majors, minors, or instructor approval. Practical application of techniques and methods used in collection, analysis, and written presentation of political data.

405 Special Topics in Political Science. (3) A. Exploration of a particular topic; theorist, institution, process, policy, writings, or their combinations. Prerequisites set by the department. May be retaken to a maximum of six hours provided subject matter is different each time.

416 World Communism. (3) A. Theories and practices of international communism as developed by Marx, Lenin, and others. Interaction and change in the world communist system, including sources of conflict, and attempts at unification. Focuses on current era of polycentrism.

440 Voting Behavior. (3) A. Prerequisite: POL 101 is recommended. Survey of recent literature in the field of voting behavior in the U.S. Topics include public opinion, polling, participation, and campaign behavior. Attention paid to methodologies and techniques.

460 Law and Society. (3) A. Sources, nature, function and limits of law as an instrument of social and political control and direction. Examples taken from property, torts, contracts, criminal law, and selected areas of public policy.

463 Constitutional Politics. (3) A. An examination of constitutional problems in American government. Emphasis is given to cases in their legal and political context.

464 Law and Politics of Civil Liberties. (3) A. An examination of historic and contemporary problems of civil liberties. Emphasis is given to cases in their legal and political context.

490 Independent Work in Political Science. (1-3) A. Individual research and/or reading on a problem or area in political science. Regular reports and final research paper required. May be retaken to a maximum of six hours. Students must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

495 Practicum in Political Science. (1-3) A. Supervised field study program. May be retaken to a maximum of six hours, provided subject matter differs each time. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

495A Practicum in American Political Process. (1-3) A.

495B Practicum in Comparative Politics and International Relations. (1-3) A.

496A Washington Internship. (6-12) A. Supervised internship with government or private agencies in Washington, D.C. Open by application to those students who fulfill the prerequisite of junior or senior standing with 2.5 GPA.

496B Washington Seminar. (3) A. Seminar on selected topics in national government to be taken in conjunction with POL 496A.

497 Kentucky Administrative Intern Program. (18) A. Formerly POL 400. Prerequisite: junior or senior standing with a cumulative grade point average of 2.6 or better (on a 4.0 scale). Enrollment is by invitation only and limited to a maximum of 18 hours.

497A Internship in State Government. (3-9) A. Formerly POL 400A. Each intern's performance in his or her job is evaluated by the agency supervisor in consultation with the intern's campus coordinator or the student's advisor in the department granting credit for the internship. May be retaken to a maximum of nine hours.

497B Selected Topics in Administration of Kentucky State Government. (3-12) A. Formerly POL 400B. Seminar on various topics on the administration of Kentucky state government which support and constitute an essential part of the Kentucky Administrative Intern Program. May be retaken to a maximum of 12 hours provided the topics vary.

498 Kentucky Legislative Internship Program. (15) A. Formerly POL 401. Prerequisite: junior or senior standing with a cumulative grade point average of 2.8 or better (on a 4.0 scale) and a definite interest in the legislative process in the Commonwealth. Enrollment is by invitation only and limited to a maximum of 15 hours.

498A Legislative Internship. (3-9) A. Formerly POL 401A. Each intern's performance in his or her legislative assignment will be evaluated by the immediate supervisor in consultation with the campus coordinator. May be retaken to a maximum of nine hours.

498B Selected Topics in Kentucky Legislative Process. (3-9) A. Formerly POL 401B. Seminar on various topics on the legislative process in the Commonwealth which support and constitute an essential part of the Kentucky Legislative Internship Program. May be retaken to a maximum of nine hours.

513 Politics in Japan and the Two Koreas. (3) A. Analysis of political development, organizational structures, and political systems of Japan, South Korea, and North Korea, with emphasis on their foreign policy behavior.

516 Communist Policy and Administration. (3) A. Principles and problems of policy-making and administration in Communist states. Analysis of political institutions in selected states, with emphasis on roles of political and economic leaders, party and state bureaucracies, and interest groups.

517 Politics and Modernization. (3) A. Comparative study of politics in present and past societies to consider the relationship between politics, political change and the broader social change called modernization.

521 Contemporary International Relations. (3) A. Systematic analysis of major contemporary theories and approaches to the study of international politics and foreign policy.

525 Workshop in International Affairs. (3) A. Explores major problems in international affairs. Covers various areas of the world with reference to significant factors and problems of the people. Designed primarily for secondary teachers in the social science field. Offered summer session only.

531 Topics in Local and State Government. (3) A. An analysis of the institutions, policies, administration, and environmental systems which impact upon the operation of American local and/or state government. May be retaken to a maximum of six hours provided topics vary.

541 Politics and Education. (3) A. An examination of the way political decisions and policies are made in the field of education. Special attention is given to educational decision makers and political power at the local level.

557 Classical Political Thought. (3) A. Cross listed as PHI 557. Examination of the origins of Western political thought. Intensive reading of Plato, Aristotle, and Cicero.

558 Medieval, Renaissance and Reformation Political Thought. (3) A. Cross listed as PHI 558. Examination of the political theories of Augustine, Aquinas, Dante, Marsillio, Machiavelli, Luther, Calvin, and Bodin. Attention to the church-state controversy, the development of the concepts of representation, constitutionalism, and sovereignty.

559 Modern Political Thought. (3) A. Cross listed as PHI 559. Examination of the development of political thought from Hobbes to Nietzsche.

564 Introduction to Court Administration. (3) A. Organization of the court system; decision processes in the courts; judicial selection, removal, compensation, and education; court reform and court administration are the primary topics of this course.

565 Administrative Law. (3) A. Prerequisite: instructor approval. Nature of the powers vested in administrative agencies; the problems of administrative procedure; and the methods and extent of judicial control over administrative action.

GRADUATE COURSES

713 Politics in Japan and the Two Koreas. (3) A.
716 Communist Policy and Administration. (3) A.
717 Politics and Modernization. (3) A.
721 Contemporary International Relations. (3) A.
725 Workshop in International Affairs. (3) A.
731 Topics in Local and State Government. (3) A.
741 Politics and Education. (3) A.
757 Classical Political Thought. (3) A.
758 Medieval, Renaissance and Reformation Political Thought. (3) A.
759 Modern Political Thought. (3) A.
764 Introduction to Court Administration. (3) A.
765 Administrative Law. (3) A.
800 Research Methods in Political Science. (3) A.
801 Administration, Ethics, and Public Policy. (3) A.
810 Seminar in Comparative Politics. (3) A.
820 Seminar in International Relations. (3) A.
835 Seminar in Intergovernmental Relations. (3) A.

840 The Taft Seminar. (3) A.
843 Seminar in Political Process. (3) A.
845 Community Development. (3) A.
853 Seminar in Political Theory. (3) A.
863 Seminar in Public Law. (3) A.
864 Seminar in Trial Court Administration. (3) A.
865 Seminar in Court System Administration. (3) A.
871 Field Study in Public Administration. (3-6) A.
873 Seminar in Theory of Public Administration. (3) A.
875 Public Sector Organizations and Management. (3) A.
876 Public Personnel Administration. (3) A.
877 Public Finance Administration. (3) A.
879 Public Program Analysis. (3) A.
891 Directed Research. (3-6) A.
893 Special Topics. (3) A.
895 Independent Study. (1-3) A.
899 Thesis. (3-6) A.

LAS—Paralegal

101 Your Legal Rights, Remedies, and Responsibilities. (3) A. Practical law to assist the individual in anticipating and dealing with typical legal needs. Topics will include landlord-tenant problems, consumer rights, personal liability, wills, arrest, divorce, and others. Does not count toward the paralegal major requirements.

210 Introduction to Law. (3) A. General study of the purpose, function, and history of law; law-related occupations; court systems; case law analysis; professional ethics; the adversary system; and the major areas of law.

211 Legal Research and Writing. (3) A. Prerequisite: LAS 210. The sources and techniques of legal research; their application to specific legal problems and the use of legal authority to construct a written legal argument.

301 General Practice Law I. (3) A. Prerequisite: LAS 211 or director approval. Paralegal practice and procedure for general law office; real estate transactions and documents, title searches, title insurance, loan closings, leases, wills, affidavits of descent, foreclosures and bankruptcy.

302 General Practice Law II. (3) A. Prerequisite: LAS 301 or director approval. Study of legal principles; paralegal practice and procedure for the general law office; torts, contracts, Uniform Commercial Code, subrogation, collections, employee benefits, and insurance defense, emphasizing the systems approach.

305 Special Topics in the Law. (1-3) A. Prerequisite: director approval. A course offered periodically covering topics and issues of current or special interest concerning the law. May be retaken to a maximum of six hours.

310 Family Law Practice. (3) A. Prerequisite: LAS 211 or director approval. Paralegal practice in family law including forms, documents, and procedures for: marriage, divorce, separation, annulment, alimony, legitimacy of children, custody, adoption, community property, and juvenile law.

340 Criminal Law Practice and Procedure. (3) A. Formerly LAS 201. Prerequisite: LAS 211 or director approval. An introduction to criminal law and procedure; criminal law forms and documents, and preparation for criminal litigation using the systems approach.

350 Litigation Practice and Procedure. (3) A. Prerequisite: LAS 211 or director approval. Paralegal trial preparation including investigation techniques, discovery, disclosure, exhibit preparation, witness preparation, pre-trial motions, evidence, jury instructions, trial assistance, and appeals, emphasizing the systems approach.

365 Trial and Era: A Legal Heritage. (3) A. Formerly LAS 225. A study of famous and significant court trials and the dynamic and dramatic way in which the trial brings together the legal philosophies and social attitudes of the times. Does not count toward the paralegal major requirements.

370 Corporations and Business Organization Practice. (3) A. Prerequisite: LAS 211 or director approval. Documents, forms, and procedures essential to the corporate paralegal. Development of skills concerning business formations, incorporation, corporate finance, employees, corporate operation, securities, regulatory compliance, merger, acquisitions, sales and terminations.

380 Administrative Agency Practice. (3) A. Prerequisite: LAS 211 or director approval. Practical paralegal skill development in administrative law and procedure. Forms, documents, pleadings, and techniques for administrative regulatory compliance; case processing; informal and formal administrative advocacy, emphasizing the systems approach.

390 Probate Practice and Procedure. (3) A. Prerequisites: LAS 211 and 301; or director approval. Paralegal probate practice including initial steps, asset accumulation, debt management, court procedure, estate-related tax issues and forms. A systems approach will be emphasized.

392 Estate Planning and Procedure. (3) A. Prerequisite: LAS 390 or director approval. The study of law, forms, documents, and procedures essential to the paralegal involved in the drafting of wills, trusts, and estate plans. The systems approach will be emphasized.

399 Paralegal Internship. (4) A. Prerequisite: LAS 301 and/or director approval of brief written application filed one semester before enrolling. Supervised work experience as paralegal in a law office, requiring periodic progress reports and a final paper. Graded Pass-Fail.

401 Paralegal Seminar. (3) A. Prerequisite: LAS 399. Intensive study of selected problems in paralegal studies. Emphasis will be placed on problems and interests developing from the students internship experience.

490 Independent Study of Law. (1-3) A. Prerequisite: director approval. Individual research, skill development, and study in an area of law or paralegal practice. Student must have independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken to a maximum of six hours.

535 Municipal Law. (3) A. Formerly LAS 360. Prerequisite: LAS 211 or director approval. Practical legal problems confronting municipal officials including: government and public official liability, ordinances, tax levies, bonding, zoning, soliciting, licensing, open meetings, personnel, cut-back management, elections, and other issues.

GRADUATE COURSE

735 Municipal Law. (3) A.

DEPARTMENT OF
HISTORY

D. Sefton, Chair; Algier, Berge, Coe, Ellis, N. Forderhase, R. Forderhase, Graybar, Mutersbaugh, Odum, Robinson, Stebbins.

A major in history prepares a student for a wide variety of careers including civil service, social work, law, journalism, politics, radio, television, and advanced graduate study leading to college teaching or library work. In addition, business leaders indicate that they frequently give strong consideration to history majors for executive positions.

Combined with a teaching certificate, a major in history provides an excellent basis for teaching social studies on the secondary level, or pursuing advanced teaching degrees.

Graduating high school seniors who are interested in the relationship between ideas and events, are curious why certain things happen, and are concerned with human achievements through the years should consider history as a major area of study.

History

MAJOR (BACHELOR OF ARTS)

Major Requirements . . . . . 30 hours

HIS 202, 203, 448, 449, and 18 upper division hours with a minimum of three hours in each of the following areas:

Area I (U.S. early): HIS 300, 401, 403, 405, 500, 502, 507, 508, or 530.

Area II (U.S. recent): HIS 300, 413, 433, 500, 511, 512, or 531.

Area III (Europe): HIS 300, 336, 339, 340, 345, 346, 347, 500, 527, 549, or 552.

Area IV (Non-Western): HIS 300, 363, 365, 374, 383, 500, or 585.

The remaining six hours of upper division history courses may come from any of the above areas or from other upper division history courses.

General Education Requirements ..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives ..... 43 hours
At least three hours of one foreign language is strongly recommended. Students who plan to pursue a graduate degree are strongly encouraged to take at least six hours of a foreign language.

Total Curriculum Requirements ..... 128 hours

History (Teaching)

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 30 hours
Same as history major without teaching.

***Minor or Related Courses ..... 18-21 hours**

Teacher Education Requirements ..... 28 hours
EDF 102, 202, 317, EPY 318, ESE 449, 498, 499.

General Education Requirements ..... 55 hours
Same as history major without teaching.

Total Curriculum Requirements ..... 128 hours**

*A student who majors in history may minor in a related discipline if desired. If not, the student will elect 18 hours of related courses drawn from non-history disciplines. Neither a minor nor related courses are required for a non-teaching major.

**Careful selection of minor courses is required to stay within the 128 hour total.

MINOR IN HISTORY

Students majoring in other disciplines may minor in history by completing the following courses:
HIS 202, 203, HIS 231 or GSS 246, HIS 232 or GSS 247, and nine hours upper division history electives.

SECOND MAJOR IN HISTORY

A student may complete a second major in history by completing the major requirements listed above.

HISTORICAL PRESERVATION EMPHASIS

History majors who wish to improve their prospective employment possibilities are strongly advised to take the following Historical Preservation core: HIS 301, 308, 309, 539, IET 311, and three hours from Area II of the history curriculum. Courses counting toward the student's major may not be counted toward this area.

GRADUATE PROGRAMS

The Department of History offers the Master of Arts with thesis and without thesis and cooperates with the College of Education in offering course work for a Master of Arts in Education (Secondary Education-History). The regulations for the degree may be found in the College of Education section of the Graduate Catalog.

Course Descriptions

HIS—History

110 Special Studies in History:_____. (1-3) A. Individual research and/or reading in an area of History, primarily designed for qualified high school juniors and seniors. Approval of project by faculty supervisor and departmental chair required prior to enrollment. Does not count toward History major requirements.

202 American Civilization to 1877. (3) A. Transition from colonial to independent republic; social, cultural and economic institutions derived from agrarian conditions; the influence of European foundations. Required of all majors and minors in history. Gen. Ed. 10.

203 American Civilization since 1877. (3) A. Conflicts between demands of an industrial society and agrarian values; interrelationships between world expressions and American experience. Required of all majors and minors in history. Gen. Ed. 11.

231 Western Civilization I. (3) A. Ancient Greece to the industrial revolution; institutions, ideas, and social and economic relationships basic to the modern world. Credit will not be awarded for both HIS 231 and GSS 246. Gen. Ed. 10.

232 Western Civilization II. (3) A. Industrial revolution to present; transformation of cultural background through ideas, science, and industry, development of current western civilization. Credit will not be awarded for both HIS 232 and GSS 247. Gen. Ed. 11.

298 Ideas and Human Experience. (3) A. Not applicable as history elective. Basic concepts in Western heritage through the Enlightenment; reading and discussion of selections from great books and documents. Contains a creative component. Gen. Ed. 07 or 08.

299 Ideas and the Human Experience. (3) A. Not applicable as history elective. Basic concepts in modern world heritage from the Romantic Era to the present; reading and discussion of selections from great books and documents. Contains a creative component. Gen. Ed. 07 to 08.

300 Topics in History:_____.(3) A. Movements in history that have influenced and continue to influence the course of culture and civilization. May be retaken to a maximum of six hours provided topics vary.

301 Introduction to Museology. (3) A. Credit does not apply toward a major or minor in history. History and management of museums, practical experience in museum work.

303 Women in American History. (3) A. Social, economic, and cultural role of women in America. Women's work; social position and status; women in reform movements; feminism and the suffrage movements; the new feminism.

305 Afro-American in U.S. History. (3) A. African heritage; middle passage; the peculiar institution; the Negro and the Civil War; Reconstruction; the strange career of Jim Crow; modern emancipation; black nationalism.

308 Archival Management. (2) A. Functions of archives; processing, indexing, cataloging, and preservation of historical materials. Credit does not apply to a major or minor in history.

309 Government Documents. (1) A. Functions of government documents collections; acquisition, cataloging and storage. Credit does not apply to a major or minor in history.

312 Independent Study in History:_____. (3) A. Individual research and/or reading on a problem area in history. Regular reports and final research paper required. Students must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

336 Greco-Roman Civilization. (3) A. Greek society and culture; emergence of the Roman Republic; the Roman Empire.

339 Medieval Civilization. (3) A. Western, Byzantine, and Saracen cultures from the breakdown of the Roman Empire to the emergence of modern states.

340 European History from 1300 to 1815. (3) A. Renaissance and Reformation to the French Revolution and Napoleon.

345 English History to 1603. (3) A. Roman Britain; Feudalism; rise of Parliament; Hundred Years' War; Reformation; Elizabethan Age.

346 English History from 1603 to present. (3) A. Civil War; Imperial expansion; beginnings of industrialization; Victorian Liberalism; two world wars and after.

347 Recent and Current World History, 1914 to present. (3) A. World War I; peace settlement of 1919; problems of security; war debts and reparations; disintegration of peace settlement; World War II; the Cold War.

349 Cooperative Study: History. (1-8) A. Prerequisite: departmental approval. Does not apply toward a major or minor in history. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight associate; sixteen baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

363 History of Russia. (3) A. Formative period of Slavic states; social and economic forces leading to autocracy; growth of revolutionary thought and action to Revolution of 1917.

365 History of Soviet Union. (3) A. The 1917 revolution to the present; the Soviet regime; World War II; post-war years.

374 Far Eastern History. (3) A. China and Japan from ancient times to present; major political, economic, social and intellectual developments; impact of the West.

383 Latin American History. (3) A. Topical approach emphasizing politics, religion, social institutions, economic developments, and intellectual life from pre-Columbian time to the present.

401 American Colonial Period. (3) A. Political and social history of the 13 colonies and their neighbors; European background; settlement; westward expansion; intercolonial conflicts; beginnings of culture; colonial opposition to imperial authority.

403 Jacksonian America, 1824-1848. (3) A. Political, social and economic transformation in an era of general exuberance.

405 America's Westward Expansion. (3) A. Colonial frontier; transmountain movements; Indian problems; Manifest Destiny; the sectional struggle; mining; railroads; cattle; agriculture.

406 South in American History. (3) A. Colonial developments; origins of sectionalism; Negro slavery and the plantation system; Civil War and Reconstruction; modern South.

413 United States and World Responsibility, 1945-Present. (3) A. Problems of post-war adjustment; the Cold War; the affluent society; problems inherent in world leadership.

433 American Diplomatic History. (3) A. American foreign relations from the late 19th century to present; emphasis on development of major trends such as isolationism, imperialism, and internationalism.

448 Topics in History and Social Science:_____. (3) A. Prerequisites: history major and six hours upper division history. Research and writing methods in history and social science. Study topics vary according to specialties of instructor.

449 Readings in History:_____. (3) A. Prerequisites: history major and three hours upper division history. The most important literature in historic fields. Fields vary according to specialties of instructor.

500 Advanced Topics in History:_____. (3) A. Special topics beyond the scope of regularly offered courses. May be retaken to a maximum of six hours provided the subject differs each time.

502 American Revolution and the Constitution. (3) A. Prerequisite: HIS 202 or instructor approval. Colonial background of Revolution; internal and external nature of Revolution; problems associated with Confederation; events leading to the American Constitution.

507 Civil War and Reconstruction. (3) A. Prerequisite: HIS 202 or instructor approval. Causes, nature, and consequences of U.S. Civil War and Reconstruction.

508 Early Republic, 1789-1824. (3) A. Prerequisite: HIS 202 or instructor approval. Federalists, Republicans, and the Constitution; the French Revolution; War of 1812; breakup of political parties; new political divisions.

509 Urban America. (3) A. Prerequisites: HIS 202 and 203 or instructor approval. Growth, development and implications of the city.

511 U.S. Rise to World Power, 1890-1928. (3) A. Prerequisite: HIS 203 or instructor approval. The Populist-Progressive response to industrialism-imperialism; World War I and the aftermath; "Roaring Twenties."

512 Depression and War, 1929-1945. (3) A. Prerequisite: HIS 203 or instructor approval. The U.S. and the Great Depression; coming of World War II; U.S. participation in war.

516 Kentucky History. (3) A. Social, economic, and political survey; Kentucky's role in national developments.

527 Europe from 1815 to 1914. (3) A. Congress of Vienna; revolutionary reform; liberalism; realism and nationalism; world-wide impact of Europe prior to World War I; industrialism, imperialism.

530 American Social and Intellectual History to 1850. (3) A. Prerequisite: HIS 202 or instructor approval. European influences; the colonial mind; revolutionary attitudes; New England's leadership; the movement of protest and reform; the rise of a native literature.

531 American Social and Intellectual History since 1850. (3) A. Prerequisite: HIS 203 or instructor approval. Civil War; Protestantism and capitalism; Social Darwinism; literature of naturalism and realism; the 20th century mind.

539 Oral History. (3) A. Prerequisites: HIS 202 and 203 or instructor approval. Oral history as an alternative form of historical research; equipment; interviewing techniques; indexing and filing; practical experience with Oral History Center. Credit does not apply to major or minor in history.

549 Tudor-Stuart England, 1485-1688. (3) A. Prerequisite: HIS 345 or 346 or instructor approval. Resurgence of the monarchy; Protestant Reformation; Rise of Parliament; Anglicanism vs. Puritanism; Glorious Revolution.

552 Georgian-Victorian England, 1714-1901. (3) A. Prerequisite: HIS 346 or instructor approval. Growth of parliamentary government; expansion of British Empire; changing role of the Crown; the Industrial Revolution.

585 History of Brazil. (3) A. Prerequisites: GSS 246 and 247 or instructor approval. Brazil's history from 1500 to the present; emphasis on developments since 1930.

GRADUATE COURSES

700 Advanced Topics in History:_____. (3) A.
702 American Revolution and the Constitution. (3) A.
707 Civil War and Reconstruction. (3) A.
708 Early Republic, 1789-1824. (3) A.
709 Urban America. (3) A.
711 U.S. Rise to World Power, 1890-1928. (3) A.
712 Depression and War, 1929-1945. (3) A.
716 Kentucky History. (3) A.
727 Europe from 1815 to 1914. (3) A.
730 American Social and Intellectual History to 1850. (3) A.
731 American Social and Intellectual History since 1850. (3) A.
739 Oral History. (3) A.
749 Tudor-Stuart England, 1485-1688. (3) A.
752 Georgian-Victorian England, 1714-1901. (3) A.
785 History of Brazil. (3) A.
800 Historiography and Criticism. (3) A.
802 Philosophy of History. (3) A.
806 Problems in Interpreting World History. (3) A.
807 Problems in Interpreting American History. (3) A.
849 Reading and Research. (3) A.
899 Thesis. (3-6) A.

DEPARTMENT OF

PSYCHOLOGY

R. Adams, Chair; Beal, Brubaker, Enzie, S. Falkenberg, V. Falkenberg, Hindman, Lorden, MacDonald, Mercer, Riggs, Short, Shuntich, Sigelman, Watkins.

The Department offers programs of instruction leading to a degree in psychology (teaching or non-teaching). Students with a degree in psychology have found positions in a wide variety of careers in professional psychology, research, government services, industry, and teaching. A degree in psychology also prepares students for advanced study in graduate school.

Requirements for the major or minor are designed to allow some flexibility so that each student may emphasize those areas best suited to that student's needs, interests, and goals. The following programs are offered:

Psychology

MAJOR (BACHELOR OF SCIENCE)

Major Requirements . . . . . 33 hours
PSY 201, 202, 291, 301 and 401. In addition, one course must be taken from each of the following groups:
(1) PSY 300, 305, 308, 312, 314, or 404.
(2) PSY 302, 319, 402, 405, 406, or 490.
(3) PSY 311, 313, or 315.
In addition, the student must take nine hours of PSY electives, at least six of which must be upper division.

General Education Requirements . . . . . 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Free Electives . . . . . 40 hours

Total Curriculum Requirements . . . . . 128 hours

Psychology (Teaching)

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 33 hours
PSY 201, 202, 291, 301 and 401. In addition, one course must be taken from each of the following groups:
(1) PSY 300, 305, 308, 312, 314, or 404.
(2) PSY 302, 319, 402, 405, 406, or 490.
(3) PSY 311, 313, or 315.
In addition, the student must take nine hours of PSY electives, at least six of which must be upper division.

Minor ..... 21 hours
An approved 21-hour teaching minor or an approved second major is required.

Teacher Educational Requirements ..... 28 hours
EDF 102, 202, 317, EPY 318, ESE 449, 498, 499.

General Education Requirements ..... 55 hours
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

Total Curriculum Requirements ..... 128 hours*

*Careful selection of minor courses is required to stay within the 128 hours total.

MINOR IN PSYCHOLOGY

Requirements for a minor are two courses from PSY 201, 202, or 291 plus electives in psychology to total 18 hours. A teaching minor must total 21 hours.

SECOND MAJOR IN PSYCHOLOGY

Specific courses and minimum total hours required are the same for a first or a second major in psychology.

GRADUATE PROGRAMS

The Department of Psychology offers the Master of Science degree in clinical or school psychology.

Degree and admission requirements may be found in the Social and Behavioral Sciences section of the Graduate Catalog. Students earning the M.S. in clinical psychology are prepared for certification and positions as therapists in settings such as mental health (comprehensive care) centers and state hospitals. Students earning the M.S. in school psychology are prepared for certification and provision of a wide range of services in schools and school-related settings. Students from either of the programs often continue to the doctoral degree at other institutions.

The Department also cooperates with the College of Education in offering course work for a Master of Arts in Education with an option in psychology. Requirements for this degree may be found in the College of Education section of the Graduate Catalog.

Course Descriptions

PSY—Psychology

201 Psychology as a Natural Science. (3) I, II. Introduction to the basic concepts of psychology closely related to the natural sciences, such as basic methodology, psychophysiology, sensation, perception, consciousness, learning, memory, cognitive processes, motivation, and emotion.

202 Psychology as a Social Science. (3) I, II. Introduction to concepts of psychology related to the social sciences, such as human development, learning, individual differences, personality development, adjustment, abnormal behavior, psychotherapy, social psychology, and applied psychology.

210 Psychology of Adjustment. (3) A. Designed for the person with little or no previous training in psychology, describing the origins of and possible ways of dealing with typical adjustment problems of childhood, adolescence, marriage, parenting, careers, and old age.

280 Life Span Developmental Psychology. (3) I, II. Prerequisite: PSY 201 or 202 or instructor approval. A survey of theory and research in developmental psychology across the entire life span. Credit will not be awarded for both PSY 280 and PSY 312.

291 Psychology: Statistical-Experimental I. (4) I, II. Prerequisite: PSY 201 or 202 or instructor approval. Introduction to techniques and problems of the experimental method and statistical analysis in psychology. Representative experiments and data analysis.

300 Social Psychology. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Study of contemporary institutions and problems such as prejudice, affection and love, altruism, aggression, and small group behavior. Contemporary theory and research are included. Gen. Ed. 12.

301 Psychology: Statistical-Experimental II. (3) A. Prerequisite: PSY 291. Continuation of PSY 291.

302 Tests and Measurements. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Principles of measurement with application to informal and standardized tests used in education, business, industry, and government. Problems of administration, scoring, and appraisal are considered. Credit will not be awarded for both PSY 302 and EPY 412 or EPY 816.

305 Psychology of Personality. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Basic approaches to the study of personality. Theory and fact upon which these approaches are related to various kinds of behavior patterns.

308 Abnormal Psychology. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Descriptive study of the nature, course, classification and prevalence of abnormal behavior, with attention to intellectual, personality, cognitive, sensory and motor functions.

311 Physiological Psychology. (3) A. Prerequisite: PSY 201 or 291 or instructor approval. Facts, concepts, and principles regarding physiological events that underlie behavior. Attention to contemporary research methods and problems undergoing study.

311L Physiological Psychology with Lab. (4) A. Prerequisite: PSY 291 or instructor approval. Facts, concepts, and principles regarding physiological events that underlie behavior. Attention to contemporary research methods and problems undergoing study. 3 Lec/2 Lab.

312 Developmental Psychology I. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Theoretical and empirical approaches to the development of the infant and child with attention to perceptual, behavioral, social, and cognitive development and the capacity for learning. Credit will not be awarded for both PSY 312 and PSY 280.

313 Learning. (3) A. Prerequisite: PSY 201 or 291 or instructor approval. Experimental study of learning, transfer and retention processes with an analysis of various kinds of learning.

314 Developmental Psychology II. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Developmental study with emphasis on changes during adolescence, adulthood, aging and senescence.

315 Sensation and Perception. (3) A. Prerequisite: PSY 201 or 291 or instructor approval. Experimental study of sensation and perception, the sensory and cognitive processes by which we come to know our world.

315L Sensation and Perception with Lab. (4) A. Prerequisite: PSY 291 or instructor approval. Experimental study of sensation and perception, the sensory and cognitive processes by which we come to know our world. 3 Lec/2 Lab.

319 Organizational Psychology. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Human factors in the organizational patterning of business, industry, and other institutions.

349 Cooperative Study: Psychology. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight associate; sixteen baccalaureate. A minimum of 80 hours employment required for each semester hour credit. Credit not applicable toward major or minor. Graded Pass-Fail.

355 Affection and Aggression. (3) A. Theoretical and research perspectives on the topics of attachment, bonding, liking, love and sexuality. Also, an exploration of the theories and empirical findings in the domains of aggression and violence.

397 Topics in Psychology:_____. (3) A. Prerequisite: to be announced. Selected topics for study. Variable topics across semesters in terms of student interest and available faculty. May be retaken, provided the subject matter differs each time.

401 Senior Research Lab. (2) I, II. Prerequisite: PSY 291. Design, execution, and writing of a supervised independent research project.

402 Industrial Psychology. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Methods and principles of psychology as applied to business and industry. Emphasis is on employee selection, classification, training and evaluation.

404 Motivation and Emotion. (3) A. Prerequisite: PSY 291 or instructor approval. Study of biological and learned variables in motivated behavior including reflexes, instincts, imprinting, emotion cognitive and other neurophysiological phenomena.

405 Psychological Interviewing and Reporting. (3) A. Prerequisite: 12 hours in psychology or instructor approval. Principles and techniques of interviewing and case reporting, with emphasis on applications in human services and personnel work.

406 Introduction to Behavior Therapy. (3) A. Prerequisite: 12 hours of psychology or instructor approval. Principles and techniques of applying behavioral principles in the analysis of complex human behavior. Emphasis is placed on methods of observing behavior and analyzing functional relationships between behavior and environment.

407 Problems in Psychology. (1-3) I, II. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Results must be presented in a formal paper. May be retaken to a maximum of six hours provided different problems are studied.

490 Clinical Psychology. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Survey of clinical theories, methods and approaches.

501 Theories of Learning. (3) A. Prerequisite: PSY 291 or instructor approval. In-depth study of learning theories. Emphasis on contemporary developments and current research.

597 Advanced Topics in Psychology:_____. (3) A. Prerequisite: PSY 201 or 202 and instructor approval. Selected topics for advanced study. Topics vary across semesters depending on student interest and available faculty. May be retaken, provided the subject matter differs each time.

GRADUATE COURSES

701 Theories of Learning. (3) A.
797 Advanced Topics in Psychology:_____. (3) A.
802 Seminar in Developmental Psychology. (3) A.
820 Statistics and Research Design. (3) A.
823 Normal Personality and Preventive Mental Health. (3) A.
824 Intellectual Assessment. (3) A.
825 Personality Assessment. (3) A.
826 Professional Concerns. (1) A.
841 Abnormal Behavior. (3) A.
843 Practicum. (3) A.
846 Behavior Therapy. (3) A.
848 Introduction to School Psychology. (3) A.
849 School Psychology Interventions. (3) A.
850 Psychotherapy and Behavior Change I. (2) A.
853 Psychophysiology. (3) A.
860 Psychotherapy and Behavior Change II. (3) A.
862 Research in Professional Psychology. (3) A.
865 Psychological Consultation. (3) A.
871 Group and Family Interventions. (3) A.
881 Advanced Children's Assessment. (3) A.
887 Independent Work in Psychology. (1-3) A.
888 Master's Research Project. (3) A.
890 Thesis Research. (1-6) A.
898A,B Internship in School Psychology. (6) A.
899A,B Internship in Clinical Psychology. (6) A.

DEPARTMENT OF
SOCIAL SCIENCE

K. A. Stebbins, Chair; Biesinger, Campbell, Chase, Everman, Johnson, Klatte, L. M. Lewis, R. Lewis, Nelson, Nyerges, Orchard, Roberts, Roitman, Stone, Tunnell, Webb.

The primary objective of the General Studies Social Science (GSS) program is to help students understand our contemporary world. In a sequence of four courses the program surveys the evolution of human societies, emphasizing the acceleration of social and cultural change toward a global system since the Industrial Revolution. The GSS program is interdisciplinary; students learn to interpret the present by using terms, concepts, and principles from the various social sciences to analyze the development of societies in an historical framework. The program focuses on the broad experience of all humankind, not on one period of time or on one country or region.

Students analyze the major stages of humankind's social and cultural evolution -- that is, the change from a hunting to an agrarian to an industrial pattern of life. They examine when and how each great transformation occurred, the limitations and opportunities facing humankind at each stage, and the significant differences in the three patterns. Knowledge of the major stages and patterns gives students a framework for organizing significant facts about societies in general. Through this approach students become aware that many of the world's problems today originated in preindustrial times--that societies have attempted to apply preindustrial solutions to problems of the industrial age. The program helps students acquire the global outlook necessary for living in today's highly interdependent world.

Course Descriptions

GSS—Social Science

142 Introduction to Social Science. (3) I, II. Focuses on the emergence of humankind, the development of culture, and the causes of social and cultural change. Analyzes hunting societies in prehistoric times, the Agricultural Revolution, and the emergence of the first civilizations. Gen. Ed. 09.

246 Preindustrial World Civilizations. (3) I, II. Analyzes the pattern of agrarian civilizations by examining societies in India, China, the Middle East, and Europe. Explores why industrialism developed first in Europe. Credit will not be awarded for both GSS 246 and HIS 231. Gen. Ed. 10.

247 Industrialism in World Civilizations. (3) I, II. Investigates the Industrial Revolution and its spread in the 19th Century. Analyzes the pattern of industrialism in the 20th Century and the emerging global crisis. Credit will not be awarded for both GSS 247 and HIS 232. Gen. Ed. 11.

250 Ideologies and Institutions of Contemporary Society. (3) A. Analyzes the major ideologies and institutions of the 20th Century, such as liberalism, socialism, and nationalism. Examines American and Soviet economic and political systems and their impact on one another. Gen. Ed. 12.

280 Selected Topics in Social Science:_____. (1-2) A. Prerequisite: three hours social or behavioral science. Explores one contemporary global issue including its historical background, present status, and likely future developments. May be retaken to a maximum of three hours if topics are different.

300 Global Challenge and Response. (3) I, II. Examines global issues which affect both Industrial and Third World nations today, such as the population explosion, environmental degradation, and the arms race. Emphasizes student discussion. Based on perspective developed in previous GSS courses. Gen. Ed. 12.

THE GRADUATE SCHOOL

VIRGINIA FALKENBERG, Dean

CONTENTS

Degrees and Programs 203
Application to the Graduate School 204
Types of Graduate Admission 204
International Student Admission 205
General Information 205
Degree Completion Requirements 207
Second Master's Degree Requirements 208
Specialist's Degree Requirements 208
Joint Doctoral Program 208

DEGREES AND PROGRAMS

The Graduate School, in cooperation with the College of Applied Arts and Technology, the College of Arts and Humanities, the College of Business, the College of Education, the College of Health, Physical Education, Recreation and Athletics, the College of Law Enforcement, the College of Natural and Mathematical Sciences, and the College of Social and Behavioral Sciences, offers the following degree programs and options:

College of Applied Arts and Technology
- Master of Science degree
  - Community Nutrition
  - Industrial Education
    - with options in:
    - teaching (option 1) and vocational administration (option 2)
  - Industrial Technology

College of Arts and Humanities
- Master of Arts degree
  - English
- Master of Music degree
  - with options in:
  - choral conducting, performance, and theory/composition

College of Business
- Master of Business Administration degree

College of Education
- Master of Arts in Education degree
  - Communication Disorders
  - Counseling
    - with options in:
    - elementary and secondary
  - Elementary Education
    - with options in:
    - early childhood, gifted/talented, and reading
  - Secondary Education
    - with options in:
    - agriculture education, allied health sciences, art, biological sciences, business education, chemistry, earth science, English, French, general science, geography, gifted/talented, history, home economics, industrial education, mathematics, physical education, physics, political science, psychology, reading, school health, sociology, and Spanish
  - Special Education
    - with options in:
    - hearing impaired, learning and behavior disorders and trainable mentally handicapped
- Master of Arts degree
  - Industrial and Community Services Counseling
  - Student Personnel Services in Higher Education
- Master of Music Education degree
- Specialist in Education degree
  - Educational Administration and Supervision
  - Elementary Education
  - Physical Education
  - School Counseling
  - Special Education
  - Student Personnel Services in Higher Education
- Fifth and Sixth Year Certification for Teachers and School Service Personnel
  - Pupil Personnel
  - Elementary and Secondary Counseling
  - Elementary and Secondary Principals
  - School Business Administration
  - Director of Special Education
  - School Psychology
  - Superintendents
  - Supervisors
  - Teacher Certification
- Joint Doctoral Program in Education

(Joint Ed.D. programs are offered cooperatively with the University of Kentucky)

College of Health, Physical Education, Recreation and Athletics
- Master of Science degree
  - Physical Education
    - with option in:
    - sports administration
  - Recreation and Park Administration

College of Law Enforcement
- Master of Science degree
  - Criminal Justice
    - with options in:
    - corrections and juvenile services, police administration and loss prevention administration
- Joint Doctoral Program

(Joint Ed.D. program in Criminal Justice Education is offered cooperatively with the University of Kentucky)

College of Natural and Mathematical Sciences
- Master of Science degree
  - Biological Sciences
    - with option in:
    - applied ecology
  - Chemistry
  - Geology
  - Mathematical Sciences
  - Physics
- Joint Doctoral Program

(Joint Ph.D. program in Biological Sciences is offered cooperatively with the University of Kentucky)

College of Social and Behavioral Sciences
- Master of Arts degree
  - History
  - Political Science
- Master of Science degree
  - Clinical Psychology
  - School Psychology
- Master of Public Administration degree
  - with options in:
  - political science-community development, community health administration, and court administration

APPLICATION TO THE GRADUATE SCHOOL

Admission to the Graduate School at Eastern Kentucky University is based upon evidence that the applicant has already attained a certain minimal academic proficiency and will be able to pursue creditably a program of graduate study in a given field. Applicants must assume responsibility for filing complete admission data with the Office of the Graduate School including the following materials:

Application Form — Each student must submit a completed, signed application form with all requested information provided. Forms are available upon request from the Graduate School. There is no application fee.

Transcripts — Two *official* copies of transcripts of all previous college/university credits showing all grades received and any degrees or certificates that have been awarded must be provided by each applicant. An official transcript must bear the seal and signature of the registrar from the sending institution. Graduates from all schools other than Eastern Kentucky University should contact their registrar(s) and request that official copies of their transcripts be forwarded directly to the Graduate School Office, Eastern Kentucky University, Coates Box 5-A, Richmond KY 40475-0931. Students seeking admission must be graduates of a fully accredited four year institution of higher learning authorized to grant the baccalaureate degree.

Graduate Record Examination — All applicants for admission to degree programs (except MBA) must submit satisfactory *official* score reports from the general section of the Graduate Record Examination (GRE) at the time of application for admission to graduate studies. Certain domestic students who have not had a prior opportunity to take the GRE may be admitted provisionally for one semester provided they take the test during their initial semester as a graduate student. Some programs require area scores in the subject field in addition to the general section of the exam. Students who are applying for a Master of Business Administration degree must provide *official* scores on the Graduate Management Admission Test (GMAT). Applications to take these exams must be sent to Educational Testing Service, CN 6000, Princeton, New Jersey 08541-6000. Application forms are available in the Graduate School office. It is the student's responsibility to apply for and take the examination(s) and to have the official scores sent to the Dean of the Graduate School, Eastern Kentucky University, Coates Box 5-A, Richmond, KY 40475-0931.

Letters of Recommendation — Applicants for degree programs should solicit three letters of recommendation from previous teachers and request that they be mailed to the Graduate School office as soon as possible. Applicants for assistantships may not be considered until letters are on file and certain programs will withhold admission until letters have been received. Please refer to program areas for specific requirements regarding letters of recommendation.

TYPES OF GRADUATE ADMISSION

Domestic students may be admitted to graduate study in any one of several categories:

Clear Admission

Applicants who meet the requirements for both general admission to graduate degree study and for a particular program are eligible for clear admission. General requirements for clear admission are:

A. A baccalaureate degree from an accredited institution.
B. An overall undergraduate grade point average (UGPA) of 2.5 or of 2.75 (4.0 = A) on the last 60 semester hours of the baccalaureate program (all hours attempted in the semester in which the 60th hour occurs will be counted).
C. Satisfactory scores on the GRE (minimum 1000 verbal, quantitative, and analytic combined) or on an approved alternate examination.
D. Individual programs may have additional or higher criteria for clear admission.

Provisional Admission

An applicant unable to supply all of the required application materials prior to admission consideration, but who otherwise meets the admission requirements may be granted provisional admission upon the recommendation of the appropriate department and approval of the Dean of the Graduate School. Complete and satisfactory credentials must be received by the Graduate School before the end of the semester in which the student has registered in a provisional status. A student normally will not be permitted to enroll in the Graduate School with a provisional status for more than one semester. Provisional admission does not guarantee, in any way, subsequent clear admission. International students may not be admitted on a provisional basis.

Probationary Admission

An applicant who does not meet conditions B and/or C of the admission requirements for clear admission but does show promise for successful graduate study may be granted probationary admission upon the recommendation of the appropriate department and approval of the appropriate academic dean and the Dean of the Graduate School. Students must be removed from probationary admission prior to registering in any graduate coursework beyond an initial 12 hours. The minimum condition for transfer from probationary admission status to clear admission status is the successful completion of at least nine hours of graduate coursework with a grade point average of at least 3.0 and with no more than one grade (regardless of the number of course credit hours) of "C" or lower. Special course requirements or other conditions may be imposed by the department, academic dean, and/or the Dean of the Graduate School. The Graduate School will inform the student of all conditions for consideration for clear admission at the time the student is granted probationary admission status. A student in probationary status may not hold an assistantship or be admitted to candidacy for any graduate degree without first achieving clear admission status. International students may not be admitted on a probationary basis.

Non-Degree Admission

General Non-Degree Admission

An individual wishing to take graduate courses at Eastern

Kentucky University for personal or professional development, but who does not plan to pursue a graduate degree program, may be admitted as a non-degree student with the approval of the Dean of the Graduate School. Non-degree students must hold a baccalaureate degree from an accredited institution and must have a minimum overall undergraduate grade point average of 2.0 (4.0 = A).

Certification Non-Degree Admission

An individual wishing to take graduate courses as a part of initial or additional certification programs, including Rank II and Rank I classification programs, is eligible for certification non-degree admission.

Visiting Student Admission

Because of its unique programs and facilities, faculty, diversified institutes and workshops, Eastern is attractive to many students who have been previously admitted to other accredited graduate schools. In order for a visiting student to be officially enrolled for graduate credit at Eastern, the student must file an application form and submit an official Visiting Student Certificate. The Visiting Student Certificate must bear the seal of the Graduate School and the signature of the Graduate Dean where the student has been admitted. Copies of the visiting student forms may be obtained from the Graduate School office.

Undergraduate Admission

An undergraduate student who needs nine or fewer credit hours in one semester (three or fewer credit hours in one summer session) to complete all of the requirements of a baccalaureate degree at an accredited institution may be allowed to register for graduate credit work under the conditions described below.

All work for undergraduate credit will be completed during that semester or summer session. The total registration for all work will not exceed 12 credit hours in a semester (six credit hours in a summer session). All work to be counted for graduate credit must be approved in advance of registration by the graduate program advisor, the student's undergraduate college dean, and the Dean of the Graduate School.

Approval forms for Undergraduate/Graduate Concurrent Enrollment may be obtained from the Graduate School office. The student must make application to the Graduate School and meet all pertinent conditions for admission. Graduate credits earned must not be used to meet undergraduate requirements.

Undergraduate Honors Admission

An Eastern undergraduate student who needs 30 or fewer credit hours to complete all of the requirements of the baccalaureate degree may be considered for undergraduate honors admission to the Graduate School to enroll in graduate coursework or be considered for special provisional admission to a graduate degree program. To be eligible for undergraduate honors admission, the student must have an overall undergraduate grade point average of at least 3.5 at the time of admission. The student must maintain an overall undergraduate grade point average of at least 3.5 and a graduate grade point average of at least 3.0 to continue in the honors program. Students who wish to be considered for provisional admission to a graduate degree program are advised to take the GRE during their junior year or during the first semester they hold undergraduate honors admission status. Students may earn a maximum of 12 graduate credit hours while holding undergraduate honors admission status. A maximum academic load of 15 hours during a regular fall or spring semester and of nine hours during the summer session is permissible when the student is concurrently enrolled in graduate and undergraduate level coursework.

Application for undergraduate honors admission should be initiated by the student by completing an Application to the Graduate School at least 30 days prior to requesting enrollment in any graduate classes. Undergraduate honors admission to the Graduate School must be supported by all appropriate advisors and college deans, as well as the Dean of the Graduate School.

Senior Citizens Admission

A senior citizen (65 years or older) who holds a bachelor's degree from an accredited institution may be granted special provisional admission to a degree program. Upon the completion of nine graduate credit hours with a minimum grade point average of 3.0, the student may be considered for clear admission to that degree program.

INTERNATIONAL STUDENT ADMISSION

International students who meet specific program requirements and for whom Eastern has appropriate programs at the graduate level are invited to make application. Such applications must be supported by satisfactory evidence of their qualifications to pursue a full course of study at this institution. Applications for admission of international students are not considered complete without official transcripts showing grades and degree(s) awarded, *official* Test of English as a Foreign Language (TOEFL) scores, *official* scores on the verbal, quantitative and analytic portions of the Graduate Record Examination (GRE), Declaration and Certification of Finances and three letters of recommendation. Students who are applying for a Master of Business Administration program must provide *official* scores on the Graduate Management Admission Test (GMAT). Each of these examinations is given in a large number of centers throughout the world. Specific information on center locations, test dates, fees, and application materials should be requested from Educational Testing Service, CN 6000, Princeton, New Jersey 08541-6000, U.S.A.

International students should apply several months in advance of their expected attendance date. Appropriate I-20 or IAP-66 forms will be issued after all official credentials have been received and the completed application has been reviewed and approved by the major department. The U.S. Immigration and Naturalization Service requires certification that all standards for admission have been met *before* the I-20 form is issued. International students are required to complete their admissions procedures at least 30 days prior to the term in which they expect to enter.

GENERAL INFORMATION

Eligibility for admission to the Graduate School does not insure admission to a specific graduate program. Some programs may have additional requirements beyond the university minimums. All students who intend to pursue a particular graduate program should refer to the specific program requirements listed in the college and/or department section of this Catalog.

All programs assume certain formal and informal prerequisites. Normally any deficiencies in preparation must be resolved during the first enrollment.

No student may receive graduate credit for a course without admission to the Graduate School.

Attendance in The Graduate School at Eastern Kentucky University is not a right. It is a privilege which may be withdrawn by the University or any area of graduate study if it is deemed necessary by the Dean of The Graduate School in order to safeguard the University's standards.

The Graduate School reserves the right to withdraw without credit or refund any student for whom application is incomplete at the end of the first enrollment.

Student Responsibilities

It is the student's responsibility to become familiar with all regulations and procedures required by the graduate program being pursued. In no case should a student expect waiver or exception to published program requirements by pleading ignorance to the regulation or asserting that an advisor or other authority did not

directly present the information. All students should become familiar with the general academic information section of the Graduate Catalog and the specific college/departmental program requirements. Only the Graduate Council has the authority to waiver the basic requirements stated in this Catalog. No statements made by any person regarding waiver of admission/program requirements shall in anyway bind the Graduate Council.

Program Planning

Along with admission to the Graduate School, each student shall be assigned an advisor by the department offering the degree program into which the student plans to matriculate. The student shall take the initiative to become familiar with the objectives of his/her particular degree program and pertinent regulations, as they are described in the Catalog, prior to scheduling a conference with the assigned advisor. Discussion of the student's personal and program objectives should take place prior to the first registration. When prior conferring is not possible, the student may obtain approval for work during his/her registration term in writing or on registration day.

During the first term, the student must meet with his/her advisor to develop a planned program. The advisor will promptly submit a copy of the program plan to be approved by the department chair, the college dean, and the graduate dean. Students for whom program plans have not been appropriately filed will not be eligible for a second registration. Subsequent changes of the program plan are permissible, but must be approved on the appropriate form by the advisor, the department chair, the college dean, and the graduate dean.

Registration

Graduate students should register on the dates stipulated in the University calendar. Registration materials should be obtained from the office of the Graduate School. The advisor should approve and sign the registration form. The advisor and student bear responsibility for courses scheduled, subject to the policies and approval of the Graduate School. The student is responsible for clearance of motor vehicle, housing arrangements, and payments of all fees and assessments in accordance with prevailing University policy.

Students with interruptions of study on campus who wish to participate in registration should notify the Graduate School of their plans to continue study, furnishing full names and Social Security numbers, *at least two weeks in advance of the published registration dates.*

Change of Schedule

The University reserves the right to cancel a course when the registration is not sufficient to warrant its continuance, to divide classes if the enrollment is too large for efficient instruction, and to change instructors when necessary. Additional courses will be organized if the demand is sufficient.

The Graduate School reserves the right to suspend or alter registration orders not in consonance with the individual's planned program or in the instance of closed or cancelled sections. Program modifications should be accomplished through the regular drop-add procedure on the dates designated.

Withdrawal From The University

Students who find it necessary to leave the University under any conditions must officially withdraw through the Registrar's Office. Students not officially withdrawing shall receive grades of "F" for the semester's course load.

Academic Load

A *maximum* academic load of 15 hours is considered permissible during the regular fall or spring semester for exceptional graduate students. Graduate assistants are permitted to carry a maximum course load of 12 hours and a minimum load of nine hours of graduate work toward their program. During the summer session, nine hours are considered maximum. Various combinations of workshops, short term courses, and regular summer courses are permissible provided the total does not exceed 12 hours for summer and intersession combined. Any exceptions to maximum load limits stated must be made by the Dean of the Graduate School. Maximum hour limitation includes *all* courses taken — whether they are on campus, off-campus, graduate, undergraduate, or audit credit.

A *minimum* academic load of six semester hours of credit shall be regarded as full-time during an eight week summer term and a minimum of nine hours of such credit shall be regarded as a full academic load during a regular fall or spring semester.

During any regular fall or spring semester, an academic load of six graduate hours is considered the maximum permissible for any student who is employed on a full-time basis during that semester. Any graduate student found to be in violation of this policy will not be permitted to use any credits beyond the six hours limitation toward fulfillment of any program or degree requirements at Eastern Kentucky University.

Transfer of Credit

Candidates for the master's and specialist's degrees are restricted to a maximum of nine semester hours of credit by transfer of work completed at another accredited graduate institution. Official copies of transcripts must be submitted and evaluated before any transfer credit can be accepted. Certain courses submitted for transfer may not be considered equivalent to specified program requirements even though course titles are the same. Official requests for transfer of credits must be recommended by the student's advisor, the department chair, the college dean, and approved by the Graduate Dean. Students who expect to transfer credits to meet program requirements at EKU should obtain official approval prior to registration for transfer courses. Official transcripts of approved transfer credits must be submitted to the Graduate School Office, Eastern Kentucky University, Coates Box 5-A, Richmond KY 40475-0931 at least two weeks prior to program completion. Transfer credits taken during the final semester of a program will delay graduation and certification approval until official transcripts have been received in the Graduate School Office.

Graduate credits received from professional schools (law, medicine, dentistry, pharmacy, etc.) may be considered for transfer. If any credit is transferred, all graduate and professional coursework taken at that institution will be calculated in the student's overall graduate GPA. When no credit is transferred, grades from professional schools will not be included in graduate or undergraduate GPA calculations.

Credits earned at other institutions may be transferred only when grades of "B" or better have been earned.

After the first nine semester hours of graduate coursework have been successfully completed at EKU (3.0 overall graduate GPA), a student may petition their advisor, chair, dean, and graduate dean to exclude prior graduate coursework in the student's overall graduate grade point average. On approval of this exclusion, no previous grades from institutions cited in the petition will be calculated in the student's overall graduate GPA at EKU. Such an exclusion will not apply to institutions from which any course has been transferred for credit toward the student's graduate degree requirements.

Graduate Grade Point Average

Graduate grade point average will be calculated as follows: A=4, B=3, C=2, D=0, F=0.

Academic Probation

Students pursuing graduate degrees are expected to maintain a 3.0 graduate grade point average at all times. Students falling below the 3.0 GPA will be placed on academic probation. One semester may be allowed for removing the GPA deficiency. Continued enrollment beyond the probationary semester will be permit-

ted only with the recommendation of the advisor, the department chair, the academic dean, and Dean of the Graduate School.

Graduate Course Credit

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart. Courses numbered in the 800 series are open only to graduate students.

Correspondence courses from any source are not applicable for graduate credit.

Graduate level courses are expected to require a *minimum* of four hours of outside preparation for every hour of lecture. Course syllabi are to reflect these expectations. At the graduate level, the minimum expectation is for the average graduate student to earn a grade of "B".

A grade of "I" shall be assigned if in the opinion of the instructor the student has been unable to complete the course on time because of unavoidable conditions. An "I" must be made complete within one month after the student reenters the University. Otherwise, a grade of "F" is assigned. If the student fails to reenter the University within one year, an "I" becomes an "F".

DEGREE COMPLETION REQUIREMENTS

Admission to Candidacy

Admission to candidacy for a degree program is a function of the department's consideration of the student's potential for matriculation into a degree program based on his/her performance at the graduate level, and represents a stage beyond admission to the Graduate School. Students must be admitted to candidacy to be considered eligible for the master's degree. A copy of the admission to candidacy for the student shall be submitted by his/her advisor to be approved by the department chair, the college dean, and the graduate dean as soon as possible but no later than the third week of the semester in which the student is enrolled in any of the last 12 hours of his/her degree program. A student will not be eligible to graduate in the same semester the student is admitted to candidacy unless that student is completing the program within two consecutive semesters. A permanent committee will be assigned on approval of candidacy. Subsequent changes of the committee are permissible, but must be approved on the appropriate form by the advisor, the department chair, the college dean, and the graduate dean. Admission to candidacy must be completed prior to scheduling of the comprehensive examination(s) or thesis defense.

All conditions for admission to the Graduate School and any prerequisites must have been satisfied before the candidacy application may be approved. Graduate Record Examination scores for the combined general tests and the departmental requirements for subject tests shall have been satisfactorily met. Master of Business Administration (MBA) candidates must have satisfactorily completed the Graduate Management Admissions Test. No student shall become an approved candidate without a minimum graduate grade point standing of 3.0. No graduate credit shall be granted for a grade below "C." Students may repeat a course to improve standing only with explicit permission of their advisor and the Dean of the Graduate School.

When the candidacy is approved, the student is notified that he/she is a candidate for the degree program. After becoming a candidate, students are eligible to file applications for graduation. Applications for graduation must be received in the Graduate School prior to the semester in which the program completion is expected. Graduation application forms are available upon request from the Graduate School office. Refer to the following section for complete details concerning applications for graduation.

Application for Graduation

A student planning to receive the master's or specialist's degree in May should apply before the end of the preceding fall semester. Candidates for the August Commencement should apply not later than the beginning of the spring semester. December graduates should apply for graduation no later than the beginning of the summer semester. Applications should be filed in the office of the Graduate School. Fees are to be paid at the Business Office and receipts presented in the office of the Graduate School at the time the applications are filed.

Students will be considered candidates for graduation only if they have an overall graduate grade point average of 3.0 or higher at the inception of the term prior to their scheduled commencement.

Language Requirements

In graduate programs requiring competence in a foreign language, the requirement may be met in one of three ways: 1) twelve hours of college credit in an appropriate language may be accepted; 2) a reading examination may be taken covering material appropriate to the discipline; 3) achievement of a grade of "B" in a designated course will be accepted as meeting the requirement.

Students must satisfy the language requirement prior to scheduling of the comprehensive examinations. Certain programs may require statistical competences in lieu of a foreign language requirement.

Time Requirements

A graduate student is expected to complete requirements for the master's degree no later than seven years after beginning coursework (e.g., a student whose initial registration for courses was fall 1987 must complete the program in order to include this coursework by the end of the summer term 1994.) The minimum time interval required for completion of a graduate degree shall be two semesters of full-time study.

The Graduate Council in recognition of the importance of assisting and safeguarding the student's right to due process will consider requests for waiver of the above stated requirement upon the recommendation of the student's advisor, the department chair, the college dean, and the Dean of the Graduate School.

Minimum Hours Required

All master's degree programs and specialist's degree programs require a minimum of 30 semester hours each. Some programs require additional hours that exceed this minimum.

At least half the coursework required for a master's degree program must be satisfied with courses open only to graduate students (800 level). All credit applied to the Ed.S. degree must be in courses numbering 800 and above.

Master's Thesis Or Specialist's Project

Students who submit a thesis in partial fulfillment of the master's or specialist's degree must prepare it in conformity with the regulations approved by the Graduate Council. Two approval pages bearing original signatures of the graduate committee must be included with two typewritten, clear, unbound copies of the thesis and presented to the Graduate School office at least *two* weeks prior to Summer Commencement and *three* weeks prior to the end of the fall and spring semesters. These two copies are bound and become the property of the University Library. If any additional bound copies are desired by the student or the department, they should be presented directly to the Library or a commercial bindery.

Theses must be on paper of at least 50 per cent rag or cotton fiber content and must be in a form acceptable to the Graduate School. Instructions for the preparation of theses should be obtained from the Graduate Office before the thesis is typed.

Theses must be developed under the direction of a full member of the Graduate Faculty.

Comprehensive Examination(s)

All candidates shall perform satisfactorily on a written and/or oral examination of the contents of their program of studies and/or the defense of their thesis. Particulars are specified by program. Comprehensive examinations are not to be given prior to admission to candidacy. Comprehensive examinations are scheduled after application for a degree has been filed and evidence exists indicating that the student should complete all degree requirements. Committee chairs should file the Schedule of Oral/Comprehensive Examination in the Graduate School office with copies to the student and committee members at least two weeks prior to the comprehensive examination.

Committee chairs shall certify satisfactory completion of the comprehensive examination to the Dean of the Graduate School no later than ten days in advance of Commencement.

A review period of not less than 60 days nor more than one year is required of candidates who fail the comprehensive examination initially. Additional courses or thesis work may be required of a failing student. Comprehensive examinations may not be retaken more than once for the master's or specialist's degrees.

SECOND MASTER'S DEGREE REQUIREMENTS

Students desiring to pursue a second master's degree at Eastern Kentucky University shall have completed all requirements for the first master's degree at Eastern or another accredited university. In general, the same basic requirements for general admission, admission to candidacy, and other conditions previously stated in this catalog relative to the first master's degree are also applicable to the second degree with the following exceptions:

1. A maximum of 12 semester hours of completed graduate work from the first master's degree may be applied toward the second degree if such courses are within the seven year time limit, are appropriate for the second program and are approved.
2. If the second master's degree involves certification (e.g., the Master of Arts in Education degree), all requirements for the certificate must be met prior to admission to candidacy.

Candidates for a second master's degree should file application for admission to graduate school and identify their second program prior to registration for additional coursework. The student should then contact the assigned advisor from the department offering the second program and plan a complete program of studies. Individual programs have specific requirements which must be met before pursuing a second master's degree. Normally, any deficiencies in preparation for a second master's degree must be resolved during the first enrollment.

SPECIALIST'S DEGREE REQUIREMENTS

The University offers advanced graduate work leading to the Specialist's degree. Beginning graduate students interested in two-year programs with special preparation for teaching or professional service opportunities in post-secondary technical school, junior or senior colleges should seek early advisement in order to assure proper program development.

Candidates for specialist degrees must possess an overall undergraduate grade point average of at least 2.5.

Candidates for specialist degree status must offer an overall graduate grade point average of 3.3.

Students should refer to the appropriate college/department section for specific admission and program requirements.

Twelve hours of coursework must be completed prior to graduation after admission to candidacy for the degree.

JOINT DOCTORAL PROGRAMS

Eastern Kentucky University, in cooperation with the University of Kentucky, offers joint doctoral programs in education, criminal justice education, and biological sciences. Qualified graduate students who have completed their master's programs at Eastern have an opportunity to continue with a joint doctoral program in these three areas. The final doctoral degree is awarded by the University of Kentucky.

Admission to the program is considered by a joint screening committee selected from faculty representing the two institutions.

The candidate may continue in residence at Eastern Kentucky University completing a maximum of 30 semester hours beyond the master's degree prior to transfer to the University of Kentucky.

Throughout the program term, the student shall be enrolled in both schools but will pay fees only to the resident University.

OFFICE OF COMMUNITY COLLEGE PROGRAMS

JACK A. LUY, Dean

CONTENTS

General Information 209
Programs of Study 209
Purposes 209

The Office of Community College Programs has been established within Eastern Kentucky University in recognition of the growing importance of providing trained people with the specific skills and education which require less than four years of training. During recent years, an increasing percentage of the work force has been found in technical, semiprofessional, and service oriented jobs. Preparation for many of the jobs in these categories requires the skills and knowledge which may be attained through at least two years of college. Many young people and adults who wish to prepare for these job opportunities are now enrolling in two-year college programs such as those provided by Eastern Kentucky University.

Included among the services offered through the Office of Community College Programs are:

Information about all two-year programs offered by Eastern Kentucky University.

Guidance for students or prospective students in selecting a program of study.

Clearinghouse for information on new or proposed programs.

Coordination for transfer of students from Kentucky community and junior colleges.

In cooperation with the respective colleges of Eastern Kentucky University, the following programs of study are offered:

Associate Degree Programs of Study

COLLEGE OF ALLIED HEALTH AND NURSING

Department of Associate Degree Nursing
- Nursing (RN)

Department of Medical Record Science
- Medical Record Technology

Department of Medical Services Technology
- Emergency Medical Care
- Medical Assisting Technology

Department of Medical Technology
- Medical Laboratory Technician

COLLEGE OF APPLIED ARTS AND TECHNOLOGY

Department of Agriculture
- Technical Agriculture
  - Agricultural Mechanics
  - Beef Herd Management
  - Dairy Herd Management
- Technical Ornamental Horticulture
  - Floriculture and Floristry
  - Landscape Horticulture
  - Turf Management

Department of Home Economics
- Child Care
- Interior Design
- Nutrition Care

Department of Industrial Education and Technology
- Computer Electronics Technology
- Drafting and Design Technology
- Industrial Electronics Technology
- Printing Technology
- Quality Assurance Technology
- Vocational-Industrial and Technical Education

COLLEGE OF BUSINESS

Department of Business Education and Office Administration
- Administrative Office Systems
- Executive Office Systems
- Legal Office Systems
- Medical Office Systems

COLLEGE OF HEALTH, PHYSICAL EDUCATION, RECREATION, AND ATHLETICS

Department of Recreation and Park Administration
- Recreation and Park Leadership

COLLEGE OF LAW ENFORCEMENT

Department of Correctional Services
- Corrections and Juvenile Justice

Department of Loss Prevention and Safety
- Business and Industrial Security
- Fire and Safety Engineering Technology

Department of Police Studies
- Police Administration

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

Department of Government
- Paralegal Studies

PURPOSES AND CHARACTERISTICS OF CURRICULA

The purpose of Eastern's two-year program is to provide high quality instruction in a variety of technical, business, semiprofessional, and service oriented professions. In general, these programs have the following characteristics:

A minimum amount of time is needed for completion of a program. Two years is normally required to complete an Associate Degree. If transferring into a program, many credits already earned may be applicable.

With rare exceptions, programs are structured to allow direct

continuation into a four-year curricula with little, if any, "loss" of credit.

Programs provide a blend of general and specialized education.

Programs of study emphasize specific skills and knowledge needed within particular career fields.

Many programs may be pursued on a part-time basis.

Graduates of associate degree programs may continue their education toward a baccalaureate or higher degree.

Programs of study combine academic training with laboratory experiences, observations, and "on-the-job" experiences.

Departments maintain close contact and seek the support and advice of business, industry, and potential employers in each specialized area.

HIGHLIGHTS

Some of the outstanding features of the two-year programs at Eastern Kentucky University are:

Classes and laboratories are taught by outstanding faculty who combine the best professional training with practical experiences. The same faculty teach students in associate degree programs that teach students in other college programs.

The University provides libraries, shops, laboratories, and other specialized facilities with the latest equipment for use in instruction.

Outside resource people are brought to the University to lecture and demonstrate the latest equipment, methods, and techniques.

Students enrolled in these programs are an integral part of the total University community and are encouraged to participate in all phases of the University's program—cultural, social, recreational, as well as academic.

DIVISION OF

EXTENDED PROGRAMS

JOHN L. FLANAGAN, Acting Director

CONTENTS

Correspondence Study 210
Fees and Enrollment 210
Extended Campus Courses 210
Nontraditional Studies 211
Media Assisted Courses 211

Institutions of higher education can no longer meet their responsibility by offering only the service provided by the traditional campus programs. Opportunities must be available for groups and individuals who desire additional education but find it impossible, or at least impractical, to participate in the traditional educational activities of the University. This demand on the University is due to such factors as the need for practitioners to keep abreast of the great expansion of knowledge in their field, the desire for people to improve their competence in their present vocation or prepare for a new vocation, and a renewed interest in educational activities brought about by increased leisure time for many people.

Eastern Kentucky University's Extended Programs meets these needs through extended campus classes, correspondence study, and nontraditional programs. For information, please write to the Division of Extended Programs, Eastern Kentucky University, Richmond, Kentucky 40475-0931, or call (606) 622-2001.

CORRESPONDENCE STUDY

Eastern Kentucky University, through its Extended Programs, offers a number of regular college and high school correspondence courses which may be taken on a credit or non-credit basis. The college courses may be applied toward a bachelor's degree from Eastern Kentucky University or other institutions of higher education. The high school courses may also be taken on a non-credit basis for other goals such as studying for professional advancement, exploring new interests, or learning new skills.

Correspondence courses cover essentially the same material as the same or similar courses offered on campus. Students prepare assignments and submit them, along with any questions they may have, to their instructor through the Extended Programs Office. The instructor then evaluates the work and returns the evaluation form with comments. This type of instruction offers an opportunity for the student to be taught on an individual basis. In essence, he/she has a tutorial type of arrangement which defies distance.

FEES AND ENROLLMENT PROCEDURES

A. Instructional fees, which do not include costs of textbooks and other reference materials, are governed by the following regulations:

1. All fees are payable in advance and are subject to change without notice to the student.

2. Instructional fees for college courses are based upon the number of semester hours of credit given for the course.

3. The instructional fee for high school courses is based upon the one-half unit.

B. Registration for a correspondence course includes the following procedures:

1. Applicants are required to make a separate application for each course on registration forms provided by the institution.

2. College students are to use the four by six inch perforated *pink* registration card and high school students are to use the four by six inch *white* registration card.

3. The registration form must be completed in full by using ink or typewriter. The applicant should check to make sure that the same information is given on the form for the Office of Extended Programs and the form for the Registrar's Office.

4. Send both completed registration forms together with the instruction fee to the Office of Extended Programs, Eastern Kentucky University, Richmond, Kentucky 40475-0931. Do not send forms to the Registrar.

5. Do not fold or bend the registration card except where perforated.

6. Additional registration forms can be obtained by writing to the Office of Extended Programs. Please state whether you desire to enroll for college or high school courses. The Correspondence Course Bulletin, which contains a listing of correspondence courses offered and other related information, will also be sent upon request.

EXTENDED CAMPUS COURSES

Purposes and Objectives

Eastern Kentucky University strongly holds to the philosophy that there should be a close relationship with the homes, schools, industry, and various community groups of the state with the aim that any citizen may feel free to call upon the University for any assistance which the institution may be able to provide. The extended campus educational program of Eastern is designed to serve students who are unable to enroll in residence or who find it more helpful to work in local groups on certain common problems. More specifically, extended campus educational programs provide college courses in outlying communities which are designed to accomplish one or more of the following purposes:

1. To provide greater opportunities for those who want to increase their knowledge or improve their efficiency and skills which regularly employed.

2. To encourage communities to make effective use of the resources of the University.

3. To assist in acquainting the faculty of the various departments with the educational programs and needs facing the communities served by the University.

NONTRADITIONAL STUDIES

The area of Nontraditional Studies focuses on providing educational services to nontraditional target audiences and providing nontraditional alternative methods for earning college credit. Many adults returning to college are doing so after a prolonged absence from any formal education process and require short programs to reorient them to the academic world before enrolling in their first class. In addition, distance from the campus often prevents people from obtaining necessary courses. Therefore, Nontraditional Studies also coordinates the delivery of instruction via telecommunications.

MEDIA ASSISTED COURSES

Video Telecourses

Eastern offers credit for courses based on a televised series of instructional programs. The course requires little or no traditional class attendance but does require that a student be able to integrate information from two or more instructional mediums in order to successfully complete the course. Written lessons, projects and exams, in addition to viewing the televised programs, are common components of Television Assisted Courses.

Audio Teleconferencing

Short, intensified educational programs can be delivered to students at a distance by utilizing the telephone conference system. Prepared materials are sent to each receiver site in advance of the lecture and are supplemented with a live lecture from the campus via a telephone conference call. As many as ten different sites may be hooked up simultaneously to receive the lecture.

5 OFFICE OF ADMINISTRATIVE AFFAIRS

JOSEPH R. SCHWENDEMAN, Vice President

CONTENTS

Academic Computing Services 213
Administrative Information Services 213
Instructional Media 213
Museum 214
Natural Areas 214
Physical Plant 214
Planetarium 214
Special Programs 215
Television and Radio 215

The Office of Administrative Affairs has responsibility for University-wide coordination of a variety of services provided to support academic instruction, public service, and research. These services are offered in cooperation with the University's academic and administrative units and, as appropriate, are made available to members of the University Community and the general public through the Division of Academic Computing Services, Administrative Information Services, Division of Instructional Media, J.T. Dorris Museum, Division of Natural Areas, Division of Physical Plant, A.D. Hummel Planetarium, Division of Special Programs, and Division of Television and Radio.

DIVISION OF

ACADEMIC COMPUTING SERVICES

Carol J. Teague, Director

The Division of Academic Computing Services assists members of the University community with instructional and research computing projects. Timesharing capabilities are provided by minicomputers accessed from a network of interactive terminals located throughout the campus. The Kentucky Educational Computing Network provides remote processing on a mainframe computer located at the University of Kentucky. The division also provides a centralized graphics and microcomputer laboratory to supplement resources housed in individual academic departments and colleges.

Consultation and programming services are available to help members of the faculty and staff use available computing facilities. Educational seminars, workshops, and tours are offered periodically, and the division publishes user's guides and a newsletter for the campus community. For information, please write Division of Academic Computing Services, Eastern Kentucky University, Richmond, Kentucky 40475-0940, or call (606) 622-1986.

DIVISION OF

ADMINISTRATIVE INFORMATION SERVICES

A. David Allgier, Director

The Division of Administrative Information Services provides support for the administrative data processing activities of the University community. This includes coordinating all requirements for administrative computing application systems development and maintenance, as well as technical resources required to assure appropriate computing/telecommunication resource support for user applications. In addition, the division also provides system design, programming, training, documentation, and consulting services regarding administrative management information.

DIVISION OF

INSTRUCTIONAL MEDIA

George L. Pfotenhauer, Director

The Division of Instructional Media provides the instructional materials, equipment, and personnel to enhance the University's educational programs. Located on the ground floor of the John Grant Crabbe Library, this Division has commercially-produced 16mm films, video tapes, mixed media kits, audio programs, and the equipment required to use them. Equipment and materials may be scheduled by faculty, staff, and students for University-sponsored activities.

The Division makes available 1) facilities for previewing instructional materials, 2) individual study carrells using media programs, 3) a laboratory for learning the operations of audio-visual equipment, and 4) two auditoriums for showing media materials. Mem-

bers of the faculty are provided assistance with the design and production of overhead transparencies, slides, audio tapes, and slide/tape programs to support instruction. The maintenance of inventoried equipment and projection lamps are the responsibilities of the Division.

For information, please write the Division of Instructional Media, Eastern Kentucky University, Richmond, Kentucky 40475-0949, or call (606) 622-1070.

J.T. DORRIS MUSEUM

****, Director**

The University Museum is a memorial to its founder, Dr. J.T. Dorris, who served as Professor of History at Eastern from 1926 until his retirement in 1965. The Museum provides a dramatic learning experience for the entire community and features the past in Madison County and the Commonwealth with exhibits from prehistoric times to the present.

Special tours are provided according to the age and interest of the individual or group. Of particular appeal are the demonstrations, full-scale furnished log cabin, Gibson Collection of 18th Century Medical Tools and Books, Kunkel Collection of Pioneer Tools and Prehistoric Artifacts, Rare Book and Manuscript Collection, and War Records Collection.

For information, please write J.T. Dorris Museum, Eastern Kentucky University, Richmond, Kentucky 40475-0951, or call (606) 622-2222.

**The Dorris Museum was closed to the public on July 1, 1981, and will remain closed until further notice.

DIVISION OF

NATURAL AREAS

William H. Martin, Director

Eastern Kentucky University is responsible for the protection and management of three natural areas in Kentucky that serve as outdoor settings for all levels of environmental education and ecological research. These are: Lilley Cornett Woods (Letcher County); Maywoods Environmental and Educational Laboratory (Garrard County); and Spencer-Morton Preserve (Powell County). The Division of Natural Areas is responsible for coordinating the research, educational programs, development, and use of these areas, and provides coordinating and consulting services on the management of natural areas owned by public agencies and private organizations. Natural areas under the supervision of the Division are available for use by the general public for passive recreation activities such as hiking.

Lilley Cornett Woods, the largest protected tract of virgin forest in eastern Kentucky, is a Registered National Natural Landmark (U.S. Department of Interior). The Woods is used primarily for base-line ecological research and advanced undergraduate and graduate instruction by the University and other institutions of higher education. Public use is limited to guided tours in this unique forest.

Maywoods Environmental and Educational Laboratory is used by the University and elementary and secondary schools for environmental education. This 1700-acre forested natural area is an official State Wildlife Refuge used to attract and protect native wildlife through approved wildlife management programs. On-site facilities provide for use of Maywoods as an off-campus conference and workshop location for the University.

Spencer-Morton Preserve (popularly known as Pilot Knob) is a Kentucky Nature Preserve managed by the University by formal agreement with the Kentucky Nature Preserves Commission. Although used primarily for ecological research, the 308 acre preserve is open to the general public for daytime hiking. It is located a short distance from the nationally-prominent Red River Gorge and it is a popular and scenic natural area easily accessible to central and eastern Kentucky.

The Division also provides on-campus coordination of University affiliations with educational programs including Tech Aqua Biological Station (Tennessee) and the marine science program at the Gulf Coast Research Laboratory (Mississippi). (See College of Natural and Mathematical Sciences and Department of Biological Sciences portions of this Catalog.)

For further information concerning natural areas, please write Division of Natural Areas, Eastern Kentucky University, Richmond, Kentucky 40475-0947, or call (606) 622-1476.

DIVISION OF

PHYSICAL PLANT

Chad Middleton, Director

The Division of Physical Plant has responsibility for a broad range of operational and maintenance services which enable the University to function effectively in a setting that is safe, comfortable, attractive, and conducive to the educational process. Such services range from grounds maintenance and housekeeping to the maintenance of technically complex mechanical systems, and are performed by diverse groups of employees classified from unskilled laborers through highly-skilled technicians. Included among the numerous responsibilities of the Division are: maintenance of heating, mechanical, electrical, and structural systems; housekeeping services; general maintenance of campus and grounds; pest control; assignment and maintenance related to University non-dormitory rental housing units; maintenance of campus dormitories; and coordination of relevant activities involving non-University contractors and service agencies.

For further information, please write the Division of Physical Plant, Eastern Kentucky University, 40475-0945, or call (606) 622-2966.

ARNIM D. HUMMEL PLANETARIUM

Jack K. Fletcher, Director

The primary responsibility of the Arnim D. Hummel Planetarium, when it becomes operational, will be to provide supplementary support to the University's academic offerings through creation of an unique environment that will enhance subject matter being presented. A second responsibility of the Hummel Planetarium will be to make its programs and facilities available to all Kentucky public schools, and to encourage all grade levels to take advantage of this unique facility. Finally, the Hummel Planetarium will have the responsibility to provide all Kentucky citizens with the opportunity to attend special programs for their education and enjoyment.

The Hummel Planetarium will achieve its uniqueness through use of planetarium instrumentation centered under a 20.6 meter projection dome tilted at an angle of 27 degrees. Controlled by a dedicated computer, the planetarium equipment will simulate the sky as seen with the unaided eye from any location on earth, or allow travel to any point within the solar system and many points beyond. In addition to the stars and planets, any known astronom-

ical phenomena such as comets, novas, meteors, eclipses of the sun and moon, and double star systems can be simulated for audience viewing. Additional equipment, such as slide animation, special lighting, and audio will be integrated into the system to supplement astronomical and non-astronomical planetarium programs.

The Hummel Planetarium building, in addition to the planetarium chamber, will include three display areas which will contain hands-on astronomy and space science exhibits and a gift shop where visitors may purchase related astronomical and space science items. For further information, please write Arnim D. Hummel Planetarium, Eastern Kentucky University, Richmond, Kentucky 40475-0951, or call (606) 622-1547.

DIVISION OF

SPECIAL PROGRAMS

Lucie Nelson, Director

The Division of Special Programs has been established to provide leadership for the planning and implementation of a variety of special activities. This division is responsible for services and programs of a non-credit nature and for the awarding of Continuing Education Units (CEU's) for participation in conferences, short courses, institutes, seminars, workshops, and special interest courses. A CEU is defined as ten contact hours of participation in an organized continuing education experience under responsible sponsorship, capable direction, and qualified instruction. Among the special activities administered by this division are those described below.

SHORT COURSES, CONFERENCES, WORKSHOPS, SEMINARS, AND INSTITUTES

Eastern Kentucky University is committed to an expanding program of public services in an effort to assist with the many and varied needs for continuing professional education. Activities are normally developed in response to requests from business and professional organizations committed or mandated to continue their education. The University also independently sponsors several professional development seminars usually taught by University faculty. Services provided to those planning non-credit special activities include: assistance with program development, promotion, budget creation and administration, facility selection and scheduling, food and transportation arrangements, audio-visuals, and conference management.

SPECIAL INTEREST COURSES

Each semester the University offers a variety of special interest courses for citizens of the community and region. These short courses normally meet one evening per week, and they range from four to twenty weeks in length depending upon the subject. Most are taught by regular University faculty and use University laboratories, studios, shops, recreation facilities, libraries, and other specialized resources.

YOUTH ACTIVITIES

All activities on campus which involve young people other than EKU University students are coordinated through Special Programs. These include band and cheerleader camps as well as academic programs. Assistance with food service and residence hall scheduling are provided to program directors.

MASTER UNIVERSITY CALENDAR

The Master Calendar highlights major events on campus and is used by support groups in scheduling facilities and personnel. The deadline for submission of activities is five working days prior to the end of the current month. Copies of activity forms may be obtained by calling Dr. Robert Bagby, 622-1937.

FACILITY SCHEDULING

Requests to rent University facilities by non-University organizations are received, reviewed, and considered for approval by the Division of Special Programs. Fees are assessed in accordance with rates approved by the Board of Regents.

For information regarding any of these areas, please write Division of Special Programs, Eastern Kentucky University, Richmond, Kentucky, 40475-0951, or call (606) 622-1444.

DIVISION OF

TELEVISION AND RADIO

Fred C. Kolloff, Director

The Division of Television and Radio operates professionally equipped and staffed color television production and radio broadcast facilities.

TELEVISION SERVICES

The Division's Television Section aids the faculty and staff in the production of instructional television materials through the use of studio and field production videotaping facilities. The Division also supports University instruction through the acquisition of materials distributed by other programming agencies. In addition, the Division produces promotional and public service materials directed toward the citizens of Kentucky and distributed over Kentucky Educational Television, commercial stations and community cable systems.

The University's television facilities also serve as a laboratory for those students involved in television production. Students may participate through University work programs, on a volunteer basis and/or academic credit programs.

The Division also operates and maintains the campus wide closed circuit television cable system which provides educational, commercial, and campus-originated instructional programs to classroom buildings, dormitory lounges, the University Center, married student housing, and on-campus faculty housing.

WEKU-FM and WEKH RADIO

The Division provides public service, informal adult education, and cultural opportunities through its two public radio stations. WEKU-FM (88.9 MHz) broadcasts 50,000 watts in stereo in order to serve the central Kentucky region. WEKH (90.9 MHz) serves Hazard, southeastern Kentucky and neighboring areas with 33,000 watts in stereo.

The programming of the stations highlights classical music. Offerings include broadcast concerts by noted national orchestras as well as regional and University groups. WEKU-FM and WEKH also feature award-winning news presentations. The stations are affiliates of National Public Radio and the Associated Press.

In order to bring the resources of the University to the public, several program series are produced in conjunction with University faculty and staff members. In addition, the stations provide the Eastern academic community with an ongoing variety of interviews with speakers of regional and national reputation.

Students are encouraged to participate in WEKU-FM/WEKH. Volunteers, University work, and academic credit programs are

available in such areas as production engineering, news, promotions, copy writing, and on-air presentation.

Further information concerning Eastern Kentucky University's television and radio facilities and services may be obtained by writing the Division of Television and Radio, Eastern Kentucky University, Richmond, Kentucky 40475-0951 or calling (606) 622-2474.

6 OFFICIAL DIRECTORY

CONTENTS

Board of Regents 219
Administrative Staff 219
Military Science Department 222
Faculty 223
Retired Faculty 235
Retired Administrative Staff 238

Board Of Regents

1987-88

Board of Regents Membership:

ROBERT J. BEGLEY, Richmond, Kentucky
CRAIG COX, Campbellsville, Kentucky
GARY GILLIS, Versailles, Kentucky
RODNEY GROSS, Grayson, Kentucky
THOMAS HARPER, Richmond, Kentucky
ALOIS MOORE, Hazard, Kentucky
BURL SPURLOCK, Prestonsburg, Kentucky
HENRY D. STRATTON, Pikeville, Kentucky
BONNIE J. GRAY, Faculty Regent
STEVE SCHILFFARTH, Student Regent

Administrative Staff

OFFICE OF THE PRESIDENT

HANLY FUNDERBURK, BS, MS, PhD ..... President
ROBERT R. MARTIN, AB, MA, EdD, LLD . President Emeritus
J. C. POWELL, AB, MEd, EdD ..... President Emeritus
CHARLES D. WHITLOCK, AB, MA, EdD . Executive Assistant
DONNA M. MASTERS, BS ..... Administrative Assistant

ADMINISTRATION

JAMES R. CLARK, BA, MPA ..... Director, Planning and Budget
James Plummer, BBA ..... Assistant Director
Larry Sherman, BBA ..... Assistant Director
Lana Gibbs ..... Administrative Assistant
TOM LINDQUIST, BS, MS ..... Director, Division of Public Safety
George Duncan, BS ..... Assistant Director
Wynn Walker, BA ..... Assistant Director
Larry Westbrook, AB, MA ..... Assistant Director
GILES BLACK, BS, MA, JD ..... University Counsel
REBECCA EDWARDS, BA, JD ..... Affirmative Action Officer

OFFICE OF ACADEMIC AFFAIRS AND RESEARCH

JOHN D. ROWLETT, BS, MS, EdD ..... Vice President for Academic Affairs and Research; Dean of the Faculties
Phyllis W. Plummer ..... Administrative Assistant
RUSSELL F. ENZIE, BS, MS, PhD . Associate Vice President for Academic Affairs and Research
Connie L. Agee, AA ..... Administrative Assistant
ERNEST W. WEYHRAUCH, BA, MS in LS, MA ..... Dean for Libraries and Learning Resources
Nancy J. Enzie, AA, BA, MA ..... Administrative Assistant
CHARLES C. HAY, AA, BA, MA ..... Director of University Archives
VIRGINIA FALKENBERG, BS, MS, PhD ..... Dean, Graduate Studies and Research
Brenda Bogie ..... Administrative Assistant
JOHN L. FLANAGAN, BA, MA, PhD ..... Acting Director, Extended Programs
EVANS TRACY, BA, MSSW ..... Director of Grants and Contracts
R. DEAN ACKER, BA, MEd, EdD ..... Director of Institutional Research and Testing
JACK L. CULROSS, BS, MA, PhD ..... Dean for Academic Support and Undergraduate Studies
Anna W. Way ..... Administrative Assistant
JAMES L. GRIGSBY, BA, MA ..... Director, Division of Admissions
Donna F. Kenney, BS, MA ..... Assistant Director for Admissions Counseling
Goebel W. Newsom, AB ..... Assistant Director for Information Services
John Primm, BBA ..... Admissions Counselor
Shelley Park, BA ..... Admissions Counselor
Kim Clark, BA ..... Admissions Counselor
ART S. HARVEY, BS, MS ..... Director, Division of Career Development and Placement
Laura A. Melius, AA, BA, BBA ..... Assistant Director
JACK A. LUY, BS, MS, EdD ..... Dean for Community College Programs
KENNETH E. NOAH, BS, MA ..... Director for Cooperative Education
JOSEPH FLORY, BS, MEd, PhD ..... Director for International Education; Foreign Student Advisor
ETHEL B. SMITH, BA, BS, MA, EdS ..... Registrar
Jill Allgier, BS ..... Assistant Registrar
Brenda Strong ..... Administrative Assistant
Wanda Sue Lainhart ..... Administrative Assistant
DAVID D. GALE, BA, MA, PhD ..... Dean, College of Allied Health and Nursing
Patsy Daughterty, BS, MA . Director, Independent Study Lab
Claire Schuster, RN, BS, BSN .. Director, Nursing Skills Lab
Carolyn Alford, AA ..... Administrative Assistant
Patsy Whittaker, BS, MA ..... Administrative Assistant
KENNETH S. HANSSON, BS, MEd, PhD ..... Dean, College of Applied Arts and Technology
Connie L. Beazley ..... Administrative Assistant
JOHN M. LONG, AB, MA, PhD ..... Dean, College of Arts and Humanities
Johanna Willham, BS ..... Administrative Assistant
CHARLES F. FALK, BSBA, MS, EdD ..... Dean, College of Business
Beth Spears, BS, MBA ... Manager, Central Advising Office
Mary Lou Remaley ..... Administrative Assistant

DIXON A. BARR, BS, MA, EdD ..... Dean, College of Education
J. LINWARD DOAK, BA, MA, EdD ..... Associate Dean
Lana B. Freeman, BS ..... Administrative Assistant
ROBERT J. BAUGH, BS, MS, HSD .. Acting Dean, College of Health, Physical Education, Recreation and Athletics
E. Charleen Tipton ..... Administrative Assistant
TRUETT A. RICKS, BBA, MBA, PhD ..... Dean, College of Law Enforcement
Robert L. Swanagin, BS, MS ..... Counselor/Instructor
Joyce Simpson ..... Administrative Assistant
DONALD L. BATCH, BS, MS, PhD ..... Dean, College of Natural and Mathematical Sciences
Linda Hill ..... Administrative Assistant
VANCE WISENBAKER, JR., BA, MS, PhD .. Dean, College of Social and Behavioral Sciences
KENNETH R. NELSON, AB, MA, PhD .... Associate Dean
Carolyn Britt, AA ..... Administrative Assistant

OFFICE OF STUDENT AFFAIRS

THOMAS D. MYERS, BS, MS, EdD ..... Vice President for Student Affairs
Sheila H. Pendleton, BBA ..... Administrative Assistant
J. HOWARD ALLEN, AB, MA, PED ..... Dean of Student Development
JEANNETTE W. CROCKETT, BS, MA .. Dean of Student Life
Daniel J. Bertsos, BA, MS ..... Coordinator, Residence Hall Programs
Brad Burch, BBA, MDiv ..... Residence Hall Director
Mike Bradle, BA, MA ..... Residence Hall Director
Pam Carew, BS, MS ..... Residence Hall Director
Tim Coley, BA, MS ..... Residence Hall Director
Sharon Countant, BA .... Assistant Residence Hall Director
Deana Culver, BA, MA ..... Residence Hall Director
John Downing, BA ..... Assistant Residence Hall Director
Sandra Fee, AB, MA ..... Residence Hall Director
Jim Gay, BS, MS ..... Residence Hall Director
Kathryn Glass, BS ..... Assistant Residence Hall Director
Cathy Hendrickson, BA, MA ..... Residence Hall Director
Kathleen E. Holmes ..... Administrative Assistant
Bryan Katchay, BA, MA ..... Residence Hall Director
Claudia Kirby, BA, MA ..... Residence Hall Director
Cassandra Landry, BA ... Assistant Residence Hall Director
Glenn Martin, BS ..... Assistant Residence Hall Director
Tim Moore, BS, MS ..... Assistant Residence Hall Director
JoLynn Norfleet, BA, MA ..... Residence Hall Director
Christa O'Cull, BA, MA ..... Residence Hall Director
Richard Ramos, BA, MA ..... Residence Hall Director
Fannye Randall ..... Administrative Assistant
Chris Roberts, BS ..... Assistant Residence Hall Director
Julie Sullivan, BA ..... Assistant Residence Hall Director
David Tedrow, BS, MA ..... Coordinator, Housing
Paul Webster, BS, MS ..... Residence Hall Director
Lynn Whayne, BA, MS ..... Coordinator, Residence Hall Programs
Ella Williams, BA ..... Assistant Residence Hall Director
HAYWARD M. DAUGHERTY, JR., BS, MS, EdD ..... Dean of Student Services
Michael A. Elam, BS, MEd ..... Director, Minority Affairs
Troylyn Johnson, BA, MS ..... Coordinator, Student Activities and Organizations
George Nordgulen, BTh, AB, BD, PhD ..... University Chaplain
Norma Robinson, AB, MEd ..... Administrative Assistant
Susan Whittaker ..... Facilities Manager
FREDRICK GIBBS, BS, M.D ..... Director, Student Health Services
Jean Bowen, RN ..... Nurse
Renee Boyd, BA, M.D ..... Physician
Judith Hood, M.D., MPH ..... Physician
Linda Kretzschmar, BA, RN ..... Nurse
Melissa Powell, BS, RN ..... Nurse
Maxine Seyfrit, RN ..... Nurse Supervisor
CALVIN TOLAR, BA, BD, MS, PhD ..... Director, Counseling Center
Eileen Allen, BS, MS ..... Counselor
Jen Colvin Walker, BA, MS, EdD ..... Assistant Director
HERBERT VESCIO, BS, MA ..... Director, Student Financial Assistance
Carol Becker, AB, MA, EDS ..... Counselor
David Cecil, BS, MA ..... Assistant Director, Operations and Planning
Carmella Conner, BS, MS ..... Counselor
Susan Luhman, BS, MA ..... Assistant Director, Programs and Information
Betty Parke, BBA ..... Coordinator, Student Employment
Rhonda Stacy, BS ..... Administrative Assistant
Robert Thompson, BS, MA ..... Coordinator, Veterans Affairs

OFFICE OF BUSINESS AFFAIRS

EARL BALDWIN, BS, MBA ..... Vice President for Business Affairs
Linda Sallee ..... Administrative Assistant
JESSE SAMONS, BS, MS ..... Director, Division of Billings and Collections
Ben Bayer, BBA ..... Cashier
Kathy Lou Reynolds, BBA ..... Office Manager
Becky G. Wells, BBA ..... Cashier
FRED GOOCH, BS ..... Director, Division of Accounts
Jimmie H. Johnson, BS ..... Assistant Director
Lorraine Scott, BS ..... Accountant
Harold Clark, BBA, MBA ..... Accountant
Douglas W. Perry, BS ..... Accountant
William D. Adams, BS, MA ..... Collection Officer
Madonna Barnes ..... Accounts Payable Supervisor
B. A. GRUBBS, BS ..... Director, Division of Purchases and Stores
Robert Turpin, BS ..... Assistant Director
Marsha Segedy ..... Purchasing Assistant
Donald Newland ..... Stores Supervisor
JAMES KEITH, BS, MA ..... Director, Division of Communications Services
Jane Snarr ..... Communications Coordinator
DALE A. LAWRENZ, BS, MBA ..... Director, Division of Personnel Services
Clark Orttenburger ..... Assistant Director
Cheryl Triplett, BS, BA ..... Classification Analyst
Cheryl Taylor ..... Payroll Supervisor
LINDA KUHNHENN, BBA ..... Director, Division of Internal Audits
Loretta W. Herren, BBA ..... Staff Auditor
LARRY MOBERLY, BS ..... Director, Division of Printing Services
Karen Tatum ..... Graphic Reproduction Specialist
ROGER MEADE, BS ..... Director, Division of University Store
Bennet Roop, Jr. ..... Assistant Director
Erman Wirtz ..... Textbook Manager
GREGORY HOPKINS, BS, MBA ..... Director, Division of Food Services
Arritta Morris, BS ..... Martin Cafeteria Manager
Garrett C. Smith ..... Grill Manager
Charlotte Morris ..... Catering Manager
Sue Jones ..... Supervisor

Reva Denny ..... Powell Cafeteria Manager
Clarence Thacker ..... Supervisor
Ron Williams ..... Bowling Lanes Manager
MICHAEL JUDGE, BS, MS ..... Director, Division of University Farms
Charles Hyde, BS ..... Farm Manager—Meadowbrook Farm
Dale Rothwell, BS ..... Farm Manager—Stateland Farm
William R. Marcum, BS ..... Maintenance Supervisor
Roger C. Allison, BS ..... Swine Herdsman
George A. Mead, BS ..... Beef Cattle Herdsman
David Riggle, AA ..... Dairy Herdsman

OFFICE OF UNIVERSITY RELATIONS AND DEVELOPMENT

DONALD R. FELTNER, BS, MA ..... Vice President for University Relations and Development
Beverly G. Burrus ..... Administrative Assistant
LARRY W. BAILEY, BA, MA ..... Director, Division of Alumni Affairs; Secretary of Alumni Association
Leander B. Jennings, BS, MS ..... Assistant Director
JACK H. GIBSON, BME, MA, EdD ..... Director, Division of Development
Mary Eilen Shuntich, BS ..... Assistant Director
RONALD E. HARRELL, BA, MA ..... Director, Division of Public Information
Donald E. Rist, Jr., BFA ..... Associate Director
C. Mason Smith, BA, MA ..... News Editor
Marshall B. Woodson, III, BA ..... Photographer Specialist

OFFICE OF ADMINISTRATIVE AFFAIRS

JOSEPH R. SCHWENDEMAN, BS, MS, PhD ..... Vice President for Administrative Affairs
Lola Ann Puckett ..... Administrative Assistant
CAROL J. TEAGUE, BS, MS ..... Director, Division of Academic Computing Services
Melvin Alcorn, AA, BS ..... Systems Network Manager
Judith Cahill, BS ..... Software Consultant
Dudley Cornman, BS ..... Systems Programmer
John Hawkins, AB ..... Operations Supervisor
Margaret Lane, BS ..... Software Consultant
Rosalie Lasee, AA, BS ..... Software Consultant
Ralph Versaw, AAS ..... Equipment Technician
William Wiley, AAS ..... Computer Operator
Robert Williamson, BA ..... Software Consultant
A. DAVID ALLGIER, BS ..... Director, Division of Administrative Information Services
Lloyd D. Ballard, BBA, ME ..... Systems Programmer
Dorothy Bowlin ..... Computer Operator
Susan N. Douglas, BS ..... Programmer Analyst
Barbara A. Girdler ..... Production Control Coordinator
M. Wayne Harris, BBA ..... Programmer/Analyst
Ellen D. Hogg, BBA, MBA ..... Programmer/Analyst
Deborah B. Johnson ..... Data Control Technician
David C. King, BBA ..... Computer Operator
E. Jane Lakes ..... Data Control Technician
Donald G. Lambert ..... Programmer/Analyst
Terry L. Leathers ..... Production Control Coordinator
Rebecca K. Letcher, BBA ..... Programmer/Analyst
Roy Mabson ..... Computer Operator
Joyce W. Martin, BBA ..... Programmer/Analyst
Norman A. Martin, BBA ..... Applications Support Manager
Patrick D. Martin, BBA ..... Operations Manager
Pamela Price ..... Tape Librarian
Lois Pruitt ..... Data Control Technician
Patrick E. Ridgley, BS ..... Security and QA Officer
Edward D. Riley, AA ..... Systems Programmer
Edwin L. Roberts, BA ..... Technical Support Manager
Teri D. Roberts ..... Data Base Administrator
David L. Thompson ..... Production Control Coordinator
Charles E. Wilson, BA, BS ..... Computer Operator
** _____ ..... Director, J. T. Dorris Museum
**The J. T. Dorris Museum was closed to the public on July 1, 1981. The date for the reopening of the museum has not been established at this time.
JACK K. FLETCHER, BS, MS, EdD ..... Director, Arnim D. Hummel Planetarium
GEORGE L. PFOTENHAUER, AA, BEd, MS, MSLS ..... Director, Division of Instructional Media
Rex D. Barker, AA ..... Media Technical Specialist
Teresa K. Snow, BA ..... Media Technical Specialist
WILLIAM H. MARTIN, BS, MS, PhD ..... Director, Division of Natural Areas
Michael R. Brotzge, BS ..... Superintendent, Lilley Cornett Woods
Joseph A. Gambino ..... Food Service Supervisor, Maywoods
Homer L. Strong, BS ..... Manager, Maywoods Environmental Educational Laboratory
Robert T. Watts ..... Assistant Superintendent, Lilley Cornett Woods
CHAD MIDDLETON, BS, MA ..... Director, Division of Physical Plant
Harold Denham, BBA ..... Office Manager
Elder Goble ..... Assistant Director, Mechanical Services
Jack Hutchinson, BS, MA ..... Assistant Director, Family Housing Rental
Julian Igleheart ..... Assistant Director, Building Structures
Tom Richardson ..... Assistant Director, Housekeeping Services
David Williams, BS ..... Assistant Director, Campus and Grounds
Harold Brown ..... Painting Supervisor
Troy Cornett ..... Academic and Service Buildings Custodial Supervisor
Ballard Denny ..... Carpentry Supervisor
James Frederick ..... Heat Plant Supervisor
Clay Gibson ..... Buildings Crafts Supervisor
Joe Hensley ..... Controls Technician
David Kelley ..... Pest Control Supervisor
Roger Mattox ..... Electrical Supervisor
John Young ..... Technical Specialist, Energy Managment System
William David Hepburn, Jr. ... Housing Custodial Supervisor
Harold Smith ..... Mechanical Supervisor
LUCIE J. NELSON, AB, MPA ..... Director, Division of Special Programs
Robert E. Bagby, BA, MED, PhD ..... Conference Planner
Jamie Hamon, BM ..... Conference Planner
_____ ..... Conference Planner
FREDERICK C. KOLLOFF, BA, MA, PhD ..... Director, Division of Television and Radio
Larry C. Bobbert, BS, MA, EdD ..... Television Producer
William S. Browning, AA ..... Cable Operations Engineer
Thomas Ford ..... Radio Operations Supervisor/WEKU-FM/WEKH
Forrest Wayne Gregory, BA ..... Radio Music/Arts Producer
Lauren P. Harrison, AS, BA ..... Art Coordinator
Stuart A. Johnson, BA ..... Producer/Reporter WEKU-FM/WEKH
Loy W. Lee, BS ..... Assistant Manager/Music Coordinator, WEKU-FM/WEKH
W. Douglas Marshall, BS, MS . Cable Operations Supervisor
Jack E. McDowell, BA, MA ..... Television Producer
Marie J. Mitchell, BGS ..... Coordinator, News and Public Affairs, WEKU-FM/WEKH

Roma W. Pedneau, BA ..... Coordinator, Promotion and Development, WEKU-FM/WEKH
Gene B. Robbins ..... Chief Engineer
Roger W. Sarow, BA, MS ..... Station Manager, WEKU-FM/WEKH
Glenn O. Shackelford, BS, MS, .. Media Technical Specialist
Ronald W. Smith, BA ..... Radio Producer, WEKU-FM/WEKH
Donald K. Walker ..... Operations Engineer, WEKU-FM/WEKH
Glenn R. Wise ..... Television Technician

Military Science Department

LIEUTENANT COLONEL DAVID L. REIMOLD (1987), Professor of Military Science, BS, Bloomsburg; MS, Indiana (PA).

MAJOR JOHN P. CAVANAUGH (1985), Associate Professor of Military Science, BS, Missouri State; MA, Northern Colorado.

MAJOR THOMAS G. TURNING (1985), Associate Professor of Military Science, BA, Eastern Kentucky.

CAPTAIN DEWAYNE L. BREWER (1985), Assistant Professor of Military Science, BS, Eastern Kentucky.

CAPTAIN HOUSTON A. TUCKER, JR. (1985), Assistant Professor of Military Science, AA, Montgomery County (PA) Community; BA, Georgia; MPA, Kentucky State.

CAPTAIN WILLIAM O. HILLARD (1986), Assistant Professor of Military Science, BS, Troy State.

CAPTAIN KENNETH W. DUNCAN (1985), Instructor of Military Science, BS, Youngstown State.

CAPTAIN NOLAN R. MEADOWS (1986), Instructor of Military Science, BS, Kentucky; MBA, Pepperdine.

CAPTAIN GUY B. SANDERSON (1985), Instructor of Military Science, BA, New York at Albany.

SERGEANT MAJOR FRANK L. HARLEY (1986), Chief Enlisted Instructor.

MASTER SERGEANT FREDERICK P. JOHNSON (1986), Senior Drill Instructor.

SERGEANT FIRST CLASS PATRICK J. LEMIEUX, SR. (1986), Instructor of Military Science.

Faculty

HANLY FUNDERBURK (1985), President; Professor, Biology. BS, MS, Auburn; PhD, Louisiana State.

WILLIAM M. ABNEY (1976), Assistant Professor, Fire and Engineering Technology. AA, BS, MS, Eastern Kentucky.

ANNA F. ABRAMS (1972), Assistant Professor, Nursing. RN; BSN, MSN, Kentucky.

R. DEAN ACKER (1963), Director, Institutional Research; Professor, Education. BA, Wooster; MEd, EdD, Florida.

JACK L. ADAMS (1962), Professor, Physical Education. BS, MA, Eastern Kentucky; EdD, Kentucky.

RICHARD R. ADAMS (1984), Chair, Associate Professor, Art. BA, Hobart; MFA, Indiana.

ROBERT M. ADAMS (1979), Chair, Professor, Psychology. BA, MA, PhD, Tennessee.

WILLIAM G. ADAMS (1966), Associate Professor, Geography. BA, Stetson; MA, additional graduate work, Kentucky.

BERTEE ADKINS (1975), Associate Professor, Business Education and Office Administration. BS, MA, Eastern Kentucky; EdD, Kentucky.

JUDY L. ADKINS (1986), Instructor, Home Economics Education; Supervising Teacher, Laboratory School. BS, MS, Morehead State.

KIMBERLY A. ALEXANDER (1986), Instructor, Science Education; Supervising Teacher, Laboratory School. BSE, MA, Northeast Missouri State.

JAMES D. ALFORD (1969), Associate Professor, Finance. BS, MBA, Kentucky.

ANN S. ALGIER (1966), Associate Professor, Learning Skills. BA, Wyoming; MA, New Mexico; EdS, Eastern Kentucky.

KEITH M. ALGIER (1965), Professor, History. BA, MA, PhD, New Mexico.

E. JOY ALLAMEH (1978), Assistant Professor, English. BS, Middle Tennessee; MA, Arkansas.

JAMES HOWARD ALLEN (1969), Dean of Student Development; Associate Professor, Education. AB, Union College; MA, Kentucky; PED, Indiana.

M. JANE ALLEN (1982), Associate Professor, Social Work. BA, Mississippi College; MSW, Tulane.

CATHY M. ANDERSEN (1986), Assistant Professor, Medical Record Science. RRA; BA, Bemidji State; MPH, Texas.

JOY ANDERSON (1978), Chair, Professor, Occupational Therapy. OTR; BA, David Lipscomb; MA, Western Michigan; Post baccalaureate Certificate, Texas Women's.

STEVEN T. ANDERSON (1986), Assistant Professor, Computer Information Systems. BS, Central Michigan; MA, Western Michigan.

JEAN F. ANDREWS (1983), Associate Professor, Special Education. BA, Catholic University of America; MEd, Western Maryland; PhD, Illinois.

VIRGINIA AUBEL (1984), Assistant Professor, Nursing. RN; ADN, Florida Junior; BSN, Eastern Kentucky; additional graduate work, Kentucky.

JAMES E. BAECHTOLD (1957), Associate Professor, Recreation. BS, Eastern Kentucky; MS, Indiana; additional graduate work, Indiana.

SHIRLEY BAECHTOLD (1978), Assistant Professor, Learning Skills. BA, MAEd, Eastern Kentucky; additional graduate work, Indiana.

ROBERT E. BAGBY (1972), Professor, Police Studies. BA, Wilmington; MEd, PhD, Miami (OH).

MARILYN M. BAILEY (1981), Assistant Professor, Mass Communications. AB, MA, Eastern Kentucky; additional graduate work, Kentucky.

ELIZABETH BAKER (1969), Assistant Professor, Libraries and Learning Resources. BA, MA, Ohio; BM, Eastman School of Music; additional graduate work, Eastern Kentucky.

WILLIAM T. BALDWIN (1979), Associate Professor, Economics. BS, MA, PhD, Kentucky.

JUDITH K. BALL (1980), Assistant Professor, Libraries and Learning Resouces. BA, Berea College; MSLS, Kentucky; additional graduate work, Eastern Kentucky, Kentucky.

ALAN J. BANKS (1981), Associate Professor, Sociology. BS, Indiana State; MA, PhD, McMaster.

DWIGHT G. BARKLEY (1968), Chair, Professor, Agriculture. BS, Pennsylvania State; MS, PhD, Virginia Polytechnic.

MILTON K. BARKSDALE (1969), Assistant Professor, Libraries and Learning Resources. BS, Eastern Kentucky; MSLS, additional graduate work, Kentucky.

KAREN BARNEY (1987), Assistant Professor, Occupational Therapy. BS, MS, Wisconsin.

DIXON A. BARR (1961), Dean, College of Education; Professor, Education. BS, Ball State; MA, EdD, Columbia.

ROBERT M. BARTON (1976), Athletic Trainer; Professor, Physical Education. AB, Kentucky; MS, Marshall; DA, Middle Tennessee.

DONALD L. BATCH (1965), Dean, College of Natural and Mathematical Sciences; Professor, Biology. BS, Illinois College; MS, PhD, Illinois.

CAROL BAUGH (1978), Associate Professor, Nursing. RN; BSN, Eastern Kentucky; MSN, DNS, Indiana.

ROBERT J. BAUGH (1970), Acting Dean, College of Health, Physical Education, Recreation and Athletics; Professor, Health Education. BS, MS, HSD, Indiana.

JEFFREY H. BAXTER (1986), Assistant Professor, Chemistry. BS, Northern Michigan; PhD, Michigan State.

DONALD G. BEAL (1987), Assistant Professor, Psychology. BA, Arizona; PhD, Texas Tech.

THOMAS B. BEARDSLEY (1970), Associate Professor, Educational Psychology and Counseling. BS, Southeast Missouri; MEd, Missouri; EdD, Mississippi; additional graduate work, Southern Illinois.

GABRIELLA BEDETTI (1981), Associate Professor, English. BA, Bates; MA, PhD, Iowa.

C. ALAN BEELER (1970), Professor, Music. BM, Illinois Wesleyan; MA, PhD, Washington.

JOYCE BEGLEY (1983), Assistant Professor, Nursing. RN; BSN, Berea; MA, Union; MSN, Tennessee.

VICTOR I. BENDALL (1966), Professor, Chemistry. BS, ARCS Imperial College (England); MS, Bucknell; PhD, Brown.

HELEN BENNETT (1981), Associate Professor, English. BA, Queens; PhD, Brown.

RICHARD L. BENSON (1969), Professor, Speech and Theatre Arts. BA, California (Los Angeles); MA, PhD, Illinois.

MARGARET R. BENZ (1985), Instructor, Nursing. RN; BSN, MSN, St. Louis.

LYNNE (PENNY) BENZING (1983), Assistant Professor, Occupational Therapy. OTR; BS, Ohio State; MA, South Florida.

MARION MALONE BERGE (1962), Associate Professor, Medical Assisting Technology. RN; CMA; BS, Eastern Kentucky; MA, George Peabody; additional graduate work, Eastern Kentucky.

WILLIAM H. BERGE (1961), Professor, History. AB, Eastern Kentucky; MA, PhD, Vanderbilt.

ALAN R. BETTLER (1970), Associate Professor, French. AB, MA, PhD, Indiana.

GILBERT BICKUM (1987), Visiting Assistant Professor, Finance. BSME, Tufts; MBA, Northern Florida; PhD, Florida.

JOSEPH A. BIESINGER (1966), Professor, Social Science. BS, MA, Loyola (Chicago); PhD, Rutgers.

GILES T. BLACK (1969), Professor, Police Studies. BS, Jacksonville State; MA, Western Kentucky; JD, Kentucky.

STEPHEN A. BLACK (1978), Associate Professor, Agriculture. BS, MS, MS, Louisiana State; PhD, Tennessee.

F. ORIS BLACKWELL (1982), Chair, Professor, Environmental Health Science. BS, Washington; MS, Massachusetts; MPH, DrPH, California (Berkeley).

MARGARITA C. BLACKWELL (1974), Assistant Professor, Home Economics. BS, MS, Alabama; additional graduate work, Alabama, Eastern Kentucky.

ANNE BLAKENEY (1984), Associate Professor, Occupational Therapy. OTR; BS, Tennessee; MSOT, Boston.

PAUL D. BLANCHARD (1970), Professor, Political Science. BA, Michigan; MS, Southern Illinois; PhD, Kentucky.

PAUL E. BLAND (1969), Professor, Mathematical Sciences. BA, MA, West Virginia; PhD, South Carolina.

JOSEPH U. BLANKENSHIP (1977), Assistant Football Coach; Assistant Professor, Health Education. BS, MA, Eastern Kentucky; additional graduate work, Murray, Western Kentucky, Eastern Kentucky.

BRUCE K. BLAYLOCK (1983), Chair, Finance and Business Systems, Associate Professor, Finance. BBA, Ohio; MBA, Auburn; PhD, Georgia State.

HAROLD R. BLYTHE, JR. (1972), Professor, English. BA, Kentucky Southern; MA, Florida; PhD, Louisville.

DONALD E. BODLEY (1975), Director, Institute of Real Estate Studies; Chairholder, Professor, Real Estate. BA, MA, Eastern Michigan.

JOAN-LORNA BOEWE (1970), Associate Professor, Music. BM, MM, Michigan State; additional graduate work, Hochschule fur Musik (Munich, Germany).

RICHARD M. BOGARD (1977), Assistant Professor, Fire Safety Engineering Technology. BS, Campbellsville; MA, additional graduate work, Western Kentucky.

RUSSELL L. BOGUE (1979), Professor, Physical Education. BA, Kearney State; ME, Nebraska; EdD, Wyoming.

JULIEN HOPE BOLLING (1972), Assistant Professor, Special Education. BS, East Tennessee; MA, Kentucky; additional graduate work, Eastern Kentucky, Kentucky.

BRUCE D. BONAR (1977), Assistant Director, Laboratory School; Associate Professor, Social Science Education. AB, West Liberty State (WV); MA, EdD, West Virginia.

URSEL D. BOYD (1967), Professor, German. JD, Washington; MA, PhD, Maryland.

MARY BRADFORD (1984), Instructor, Nursing. RN; BSN, Northern Illinois; MSN, Kentucky.

JANET BRANDENBURG (1971), Assistant Professor, Nursing. RN; BSN, Berea; MA, Eastern Kentucky.

BRANLEY A. BRANSON (1965), Professor, Biology. AB, Oklahoma A&M; BS, MS, PhD, Oklahoma State.

DIANA BRASHEAR (1978), Assistant Professor, Nursing. RN; BSN, MSN, Kentucky.

TODD BREKKEN (1986), Instructor, Emergency Medical Care. EMT-P; BS, Mankato State.

PEGGY D. BREWER (1980), Associate Professor, Management. BS, Morehead; MA, Murray; DBA, Louisiana Tech.

VIRGIL L. BREWER (1980), Professor, Finance. BS, Kentucky; MBA, Marshall; DBA, Texas Tech.

MICHAEL H. BRIGHT (1969), Professor, English. AB, Washington and Lee; PhD, Tulane.

DANNY G. BRITT (1975), Professor, Agriculture. BS, Western Kentucky; MS, PhD, Michigan State.

ALLEN C. BROCK, JR. (1960), Associate Professor, English. BS(Ed), MEd, Georgia.

RICHARD H. BROMLEY (1974), Professor, Music. BM, Lawrence; MM, American Conservatory of Music; DMA, Colorado.

RICHARD A. BROOKER (1977), Coordinator and Professor, Contruction Technology. AA, Ft. Scott; BS, Kansas (Pittsburg); MS Kansas (Emporia); Ed, Arkansas.

ANNE P. BROOKS (1972), Chair, Professor, Humanities. BS, East Carolina; MAT, Duke; PhD, Florida State.

JAMES F. BROOKS (1968), Associate Professor, Mathematical Sciences. BS, MS, Florida State; PhD, Kentucky; additional graduate work, Wayne State.

GEORGE M. BROWN (1963), Associate Professor, Industrial Education and Technology. BS, Eastern Illinois; MS, Northern Illinois; additional graduate work, Kentucky, Trenton, Illinois, Rochester.

HARRY N. BROWN (1970), Professor, English. AB, Davidson; MA, Appalachian State; PhD, Ohio.

TOMMY R. BROWN (1970), Assistant Professor, Industrial Education and Technology. BS, MS, Eastern Kentucky; additional graduate work, Kentucky, Eastern Kentucky.

WILLIAM A. BROWNE (1975), Professor, Traffic Safety. AB, Catawba; MA, PhD, Michigan State.

ROBERT G. BRUBAKER (1984), Assistant Professor, Psychology. BA, Oklahoma City; MA, Indiana State; PhD, South Florida.

JOHN D. BURKHART (1972), Associate Professor, Home Economics. AB, St. Charles Barrameo; MA, PhD, Ohio State.

ROBERT E. BURKHART (1967), Professor, English. BBA, MA, Pittsburgh; PhD, Cincinnati.

SYLVIA D. BURKHART (1965), Professor, German. BA, Kentucky; MA, PhD, Cincinnati.

J. DOUGLAS BURNHAM (1975), Professor, Social Work. BA, Montevallo; MSW, Alabama.

HERMAN S. BUSH (1970), Professor, Health Education. AB, Kentucky Wesleyan; MA, Kentucky; HSDir, HSD, Indiana.

TERRY L. BUSSON (1980), Professor, Political Science. BA, MA, PhD, Kent State.

ROBERT L. BYRNE (1965), Director, Educational Research and Evaluation; Professor, Elementary Education. BSEd, Ohio; MEd, Kent State; EdD, George Peabody.

SHIRLEY M. BYRNE (1980), Professor, Elementary Education. BSEd, Ohio; MSEd, Massachusetts; EdD, Kentucky.

DONALD R. CAIN (1981), Professor, Mass Communications. BS, Auburn; MS, Wisconsin; PhD, Michigan State.

JAMES E. CAIN (1986), Associate Professor, Accounting. BS, Central Missouri State; MBA, DBA, Oklahoma; CPA, Oklahoma.

KAREN S. CAIN (1985), Assistant Professor, Mathematical Sciences. AB, Berea College; MA, Eastern Kentucky; additional graduate work, Kentucky.

ELAINE C. CALDWELL (1979), Assistant Professor, Medical Record Science. RRA; BA, Mount Marty; MA, North Dakota.

DONALD L. CALITRI (1976), Acting Chair, Professor, Health Education. BS, MA, Union; EdD, Alabama.

GERALD F. CALKIN (1972), Professor, Physics. AB, Wooster; MS, Ohio; MS, PhD, Massachusetts.

GEORGE E. CAMPBELL (1972), Associate Professor, Social Science. BS, MA, PhD, Georgia.

PHILIP CAMPBELL (1985), Assistant Professor, Medical Technology. MT(ASCP); BS, West Virginia; MS, Kentucky.

LOIS CANARIS (1986), Assistant Professor, Nursing. RN; BA, St. Leo; MSN, Texas Woman's.

DEAN C. CANNON (1978), Professor, Mass Communications. BS, MS, Indiana State; PhD, Ohio State.

DONALD E. CARR (1982), Associate Professor, Computer Information Systems. BS, MS, California (Davis).

GLORIA T. CARR (1973), Assistant Professor, Special Education. BS, MAEd, Eastern Kentucky; additional graduate work, Kentucky.

DOROTHY A. CARTER (1964), Associate Professor, French. BA, MA, PhD, Kentucky.

VERNA CASEY (1970), Assistant Professor, Libraries and Learning Resources. BA, Eastern Kentucky; MS, Kentucky; additional graduate work, Eastern Kentucky.

LAWRENCE J. CHASE (1970), Professor, Social Science. AB, LaSalle; MA, Duquesne; PhD, Notre Dame.

GARY K. CHASTAIN (1966), Professor, Industrial Education and Technology. BS, MS, Indiana State; EdD, Missouri.

GEORGE CHEATHAM (1984), Assistant Professor, English. BA, Hendrix; MA, PhD, Tennessee.

JUDY B. CHEATHAM (1985), Visiting Instructor, English. BA, Middle Tennessee; MA, Tennessee.

AMINUR R. CHOWDHURY (1983), Associate Professor, Industrial Education and Technology. BS, Sam Houston State; MEd, Texas A&M; EdD, West Virginia.

AGNES L. CHRIETZBERG (1973), Professor, Physical Education. BS, Georgia; MS, PhD, Florida State.

CAROL J. CHRISTIAN (1982), Assistant Professor, Physical Education; Supervising Teacher, Laboratory School. BS, MAEd, Eastern Kentucky; additional graduate work, Murray.

GEORGE A. CIVEY, III (1975), Assistant Professor, Art. BA, Transylvania; MA, Iowa; additional graduate work, North Carolina.

KENNETH T. CLAWSON (1968), Professor, Education. BS, MA, Appalachian State; PhD, Florida State.

GENEVIEVE CLAY (1966), Assistant Professor, Libraries and Learning Resources. BA, Rhodes College; MSLS, Kentucky.

RICHARD M. CLEWETT, JR. (1969), Professor, English. BA, MA, PhD, Chicago.

EVA JEAN CLIFTON (1986), Assistant Athletic Trainer/Instructor, Physical Education/Athletics. BS, Oregon State; MA, Eastern Kentucky.

STEPHEN H. COE (1966), Associate Professor, History. BA, Brown; MA, PhD, American.

JANET COLLINS (1971), Director, Continuing Education and Special Programs; Assistant Professor, Nursing. RN; BSN, MSN, Kentucky.

PAMELA A. COLLINS (1986), Assistant Professor, Security and Loss Prevention. BS, MS, Eastern Kentucky.

THOMAS P. COLLINS (1967), Professor, Educational Foundations. AB, MA, Eastern Kentucky; EdD, Kentucky.

DONALD COMBS (1963), Athletic Director; Assistant Professor, Physical Education. BS, MA, additional graduate work, Eastern Kentucky.

MARTHA L. COMBS (1968), Assistant Professor, English Education; Supervising Teacher, Laboratory School. AB, AM, Morehead; additional graduate work, Eastern Kentucky.

MARTHA CONAWAY (1976), Associate Professor, Learning Skills. AB, Kentucky; MA, Eastern Kentucky; PhD, Southern Illinois (Carbondale); post doctoral work, Georgetown (Washington, D.C.).

JERRY D. COOK (1983), Associate Professor, Physics. BA, Berea; MS, PhD, Kentucky.

ARLENE COOPER (1984), Assistant Professor, Educational Psychology and Counseling. AB, MA, Eastern Kentucky; EdD, Indiana.

DONALD A. COOPER (1966), Professor, Music. BS, Wisconsin State; MA, Colorado State; EdD, Montana.

KENNETH COOPER (1986), Associate Professor, Computer Science. BS, Alabama; MS, Auburn; PhD, Florida State.

GARY W. CORDNER (1987), Associate Professor, Police Studies. BS, Northeastern; MS, PhD, Michigan State.

DEBORAH L. CORE (1982), Associate Professor, English. BA, Bethany; MA, Marshall; PhD, Kent State.

PATRICIA S. COSTELLO (1982), Associate Professor, Statistics. BA, Thomas More; MS, PhD, Ohio State.

PATRICK J. COSTELLO (1982), Associate Professor, Mathematical Sciences. BS, Harvey Mudd; MS, PhD, Ohio State.

FREDONNA S. COX (1984), Assistant Professor, Accounting; Coop Coordinator, College of Business. BA, Berea; MBA, Eastern Kentucky; CPA, Kentucky.

TERRY C. COX (1978), Associate Professor, Police Studies. BS, MS, PhD, Akron.

GEORGE CRABB (1964), Assistant Professor, Libraries and Learning Resources. BA, Rhodes College; MAT, Vanderbilt; MSLS, Peabody College, Tennessee.

CLYDE O. CRAFT (1967), Chair, Professor, Industrial Education and Technology. BS, MA, Eastern Kentucky; EdD, Texas A&M.

EFFIE B. CREAMER (1966), Professor, Home Economics. BS, Berea; MS, PhD, Texas Women's.

GLYNN N. CREAMER (1966), Director, Student Services, Education; Professor, Mathematics Education. BA, MEd, EdD, North Texas State.

JOYCE CREEK (1972), Assistant Professor, Libraries and Learning Resources. BS, East Tennessee State; MA, EdS, Eastern Kentucky.

ROBERT O. CREEK (1970), Professor, Biology. BS, MS, West Virginia; PhD, Arkansas.

JUDY CREMEENS (1983), Assistant Professor, Emergency Medical Care. REMT-P; BSN, Lewis (IL); MAEd, Eastern Kentucky.

JEANNETTE W. CROCKETT (1966), Dean of Student Life; Assistant Professor, Education. BS, MA, Eastern Kentucky; additional graduate work, Indiana.

MARJORIE CROSBY (1985), Assistant Professor, Nursing. RN; BSN, Cornell; MSN, Kentucky.

RICHARD CROSBY (1986), Instructor, Music. BME, MM, Cincinnati.

JACK L. CULROSS (1970), Dean, Academic Support and Undergraduate Studies; Professor, English. BS, Spring Hill; MA, PhD, Louisiana State.

TERRELL O. CULROSS (1976), Assistant Professor, Learning Skills. BS, Louisiana State; MA, additional graduate work, Eastern Kentucky.

JUDITH A. CUNNINGHAM (1972), Associate Professor, English Education. AB, Murray; MA, EdD, Ball State.

PAUL V. CUPP, JR. (1974), Professor, Biology. BS, MS, Eastern Kentucky; PhD, Clemson.

JOHN O. CURRA (1975), Professor, Sociology. BA, MA, San Diego State; PhD, Purdue.

NANCY S. DANIEL (1969), Assistant Professor, Elementary Education; Supervising Teacher, Laboratory School. BS, MAEd, Eastern Kentucky; additional graduate work, Eastern Kentucky, Tennessee.

HAYWARD DAUGHERTY (1970), Dean, Student Services; Assistant Professor, School and Public Health. BS, MA, Eastern Kentucky; EdD, Indiana.

VICKI R. DAUGHERTY (1970), Assistant Professor, Elementary Education; Supervising Teacher, Laboratory School. BS, MAEd, Eastern Kentucky.

JOHN E. DAVIDSON (1965), Professor, Chemistry. BS, MS, PhD, Tennessee.

WILLIAM A. DAVIG (1984), Associate Professor, Management. BS, Houston; PhD, Northwestern.

RITA R. DAVIS (1982), Assistant Professor, Business Education and Office Administration. BA, MA, Georgetown; additional graduate work, Kentucky.

WILLIAM E. DAVIS (1979), Associate Professor, Industrial Education and Technology. BS, MA, MS, Eastern Kentucky; EdD, Cincinnati.

CLAUDE S. DEAN (1986), Associate Professor, Geology. SB, Massachusetts Institute of Technology; AM, PhD, Harvard.

RONALD E. DEAN (1974), Associate Professor, Political Science. BA, Emory and Henry; MA, PhD, Tennessee.

SHIRLEY P. DEANE (1970), Assistant Professor, Library Science. AB, MSLS, Kentucky; additional graduate work, Kentucky, Northern Illinois, Eastern Kentucky.

DANIEL R. DEANE, JR. (1962), Professor, Art Education. AB, MAEd, Kentucky; MFA, Northern Illinois; additional graduate work, Eastern Kentucky, Kentucky.

JOHN M. DECK (1964), Coordinator, General Physical Education; Professor, Physical Education. BS, Central Methodist; MS, DirPE, PED, Indiana.

DEMA DEMAREE (1977), Assistant Professor, Nursing. RN; BSN, Indiana; MSN, Kentucky.

JOHN A. DENTON (1974), Professor, Sociology, BS, MA, Tennessee; PhD, Tulane.

DONALD L. DEWEY (1970), Professor, Art. AB, MFA, Indiana.

MARY ANNE DEWEY (1977), Assistant Professor, Libraries and Learning Resources. AB, MLS, Indiana; additional graduate work, Kentucky, Eastern Kentucky.

STEVEN W. DICKEY (1983), Assistant Professor, Economics. BA, Sciences and Arts of Oklahoma; MA, PhD, Southern Illinois.

THOMAS JEFFREY DILL (1985), Assistant Professor, Speech and Theatre Arts. BA, Ohio State; MFA, Alabama.

JERRY DIMITROV (1970), Assistant Professor, Libraries and Learning Resources. BA, Eastern Kentucky; MLS, Kentucky.

J. LINWARD DOAK (1971), Associate Dean, College of Education; Professor, Educational Psychology. BA, Carson-Newman; MA, EdD, Georgia.

RANDOLPH DOZIER (1959), Associate Professor, Art. AB, MA, Eastern Kentucky.

DAN J. DUNCAN (1981), Associate Professor, Music. BME, Northwestern; MME, Wichita State; DME, Indiana.

JANE PARKS EADES (1979), Assistant Professor, Medical Assisting Technology. CMA-C, RMA; AA, BS, MA, additional graduate work, Eastern Kentucky.

REBECCA B. EDWARDS (1972), Affirmative Action Officer; Assistant Professor, Business Administration. BA, Illinois; JD, Kentucky.

HOWARD L. ELDOT (1970), Associate Professor, Special Education. BEd, Miami (FL); MS, Syracuse; PhD, Indiana.

CHARLES L. ELLIOTT (1985), Assistant Professor, Biology. BS, Frostburg State; BS, Idaho; MS, Brigham Young; PhD, Alaska.

WILLIAM E. ELLIS (1970), Director, Oral History Center; Professor, History. BA, Georgetown; MA, Eastern Kentucky; PhD, Kentucky.

BRUCE ENGLE (1986), Visiting Instructor, English. BA, MA, Eastern Kentucky.

FRED A. ENGLE, JR. (1959), Professor, Economics. BS, Eastern Kentucky; MBA, EdD, Kentucky.

RUSSELL F. ENZIE (1974), Associate Vice President for Academic Affairs; Professor, Psychology. BS, Abilene Christian; MS, PhD, Oklahoma.

CYNTHIA ETKIN (1984), Instructor, Libraries and Learning Resources. BA, MA, Eastern Kentucky; MSLS, Kentucky.

CATHERINE B. EVANS (1984), Assistant Professor, Home Economics. BS, MS, Eastern Kentucky; additional graduate work, Tennessee, Eastern Kentucky.

MAUREEN W. EVERETT (1980), Assistant Professor, Mass Communications. BA, MA, Delaware; additional graduate work, Eastern Kentucky.

HENRY E. EVERMAN (1970), Professor, Social Science. AB, Kentucky; MA, PhD, Louisiana State.

LYNDA M. EWERS (1983), Assistant Professor, Environmental Health Science. AB, Earlham; MS, Cincinnati.

RALPH O. EWERS (1981), Associate Professor, Geology. BS, MS, Cincinnati; PhD, McMaster (Canada).

CHARLES F. FALK (1986), Dean, College of Business; Professor, Business Education and Office Administration. BSBA, Elmhurst College; MS, EdD, Northern Illinois.

STEVEN D. FALKENBERG (1974), Professor, Psychology. BA, MA, PhD, Baylor.

VIRGINIA P. FALKENBERG (1973), Dean, Graduate Studies and Research; Associate Professor, Psychology. BS, MS, East Texas State; PhD, Baylor.

STEVEN W. FARDO (1972), Professor, Industrial Education and Technology. BS, MA, Spec. Tech., Eastern Kentucky; EdD, Kentucky.

STEWART S. FARRAR (1985), Associate Professor, Geology. BS, Syracuse; PhD, SUNY (Binghamton).

WILLIAM W. FARRAR (1976), Professor, Biology. BS, Samford; MS, Medical College of Virginia; PhD, Virginia Polytechnic Institute.

JERRY S. FAUGHN (1968), Professor, Physics. BS, Murray State; MS, Kentucky; PhD, Mississippi.

DONALD R. FELTNER (1956), Vice President, University Relations and Development; Assistant Professor, Journalism. BS, MA, Eastern Kentucky; additional graduate work, Kentucky.

EDMUND D. FENTON, JR. (1982), Associate Professor, Accounting. BS, MBA, Murray; DBA, Kentucky; CPA, Kentucky.

RICHARD H. FERN (1984), Associate Professor, Accounting. BS, Kentucky; MBA, Louisville; DBA, Kentucky; CPA, Kentucky.

DAVID E. FIELDS (1986), Associate Professor, Computer Science. AB, West Virginia; MS, Clemson; MS, PhD, Florida State.

MARGARET D. FISHER (1986), Visiting Instructor, Mathematical Sciences. BA, LeMoyne College; MAT, Northwestern.

PEGGY FLAHERTY (1976), Assistant Professor, Libraries and Learning Resources. AB, Kentucky; MLS, George Peabody; MA, Eastern Kentucky.

JOHN L. FLANAGAN (1976), Acting Dean, Extended Campus Programs; Assistant Professor, Nontraditional Studies. BA, Minnesota; MA, Texas; PhD, Missouri.

JACK K. FLETCHER (1977), Director, A.D. Hummel Planetarium; Assistant Professor, Astronomy. BS, MS, Old Dominion; EdD, Virginia.

JOSEPH FLORY (1979), Director, International Education; Associate Professor, English. BS, MA, James Madison; PhD, Indiana University of Pennsylvania.

BRENDA FOLEY (1986), Instructor, Medical Assisting Technology. RN; ASN, Eastern Kentucky; BSN, Kentucky.

NANCY K. FORDERHASE (1966), Professor, History. BA, South Dakota; MA, PhD, Missouri.

R. E. FORDERHASE (1966), Professor, History. AB, MA, PhD, Missouri.

CHARLES W. FORESTER (1974), Associate Professor, Police Studies. BA, Wayne State; MS, Eastern Kentucky; JD, Kentucky.

BETTE D. FOX (1974), Professor, Police Studies. BA, Western Reserve; MA, Brown; PhD, Case Western Reserve; additional post doctoral work, Harvard, Oxford.

JAMES W. FOX (1973), Professor, Correctional Services. AB, MS, EdD, Indiana; PhD, Virginia.

ELIZABETH D. FRAAS (1977), Associate Professor, Mass Communications. BS, MA, PhD, Kentucky.

ROBERT E. FRAAS (1973), Professor, Chemistry/Forensic Science. BS, Capital; MS, Marshall; PhD, post doctoral work, Kentucky.

ADRIANNA H. FRANCIS (1963), Professor, Elementary Education. BS, Pikeville; MA, Eastern Kentucky; EdS, EdD, Kentucky.

CHARLES H. FRANKE (1985), Chair, Mathematics, Statistics, and Computer Science; Professor, Computer Science. AB, MS, PhD, Rutgers; MA, Yale.

JESSICA JOHNSON FRAZIER (1986), Assistant Professor, Accounting. BS, MBA, Eastern Kentucky; additional graduate work, Kentucky.

ROBERT B. FREDERICK (1982), Associate Professor, Biology. BS, Virginia Polytechnic Institute; MS, PhD, Iowa State.

RICHARD D. FREED (1979), Associate Professor, English. BA, MA, PhD, Texas-Austin.

DAISY B. FRENCH (1956), Professor, Accounting. BS, MA, Eastern Kentucky; EdD, Kentucky.

RALPH E. FRETTY (1969), Associate Professor, Political Science, BS, Iowa; MA, Drake; MA, MALD, PhD, Fletcher School of Law and Diplomacy.

RICHARD H. FUTRELL (1974), Assistant Professor, Sociology. BS, MA, Houston; PhD, Kansas.

LYDIA CAROL GABBARD (1982), Assistant Professor, Home Economics Education. BS, MAEd, Eastern Kentucky; EdD, Tennessee.

MARILEE GABBARD (1970), Assistant Professor, Libraries and Learning Resources. BS, MS, Eastern Kentucky; MSLS, Kentucky.

REBECCA GAFFNEY (1985), Assistant Professor, Nursing. RN; BSN, MSN, Kentucky.

LARRY K. GAINES (1975), Chair, Professor, Police Studies. BS, MS, Eastern Kentucky; PhD, Sam Houston State.

SETH K. GAKPO (1983), Assistant Professor, Real Estate. BS, Ghana, MS, PhD, Wisconsin (Madison).

DAVID D. GALE (1973), Dean, Professor, Allied Health and Nursing. MLD; BS, Cascade; MS, Medical School, South Dakota; PhD, Iowa; additional graduate work, Duke; post doctoral research, Indiana School of Medicine.

S. J. GARNER (1984), Associate Professor, Marketing. BS, MA, Alabama; DBA, Mississippi State.

DONNA GATES (1985), Assistant Professor, Nursing. RN; BSN, MSN, Cincinnati.

CHERYL GEIGER (1986), Visiting Instructor, English. BA, MA, Eastern Kentucky.

TED M. GEORGE (1964), Chair, Physics and Astronomy; Professor, Physics. BA, MA, PhD, Vanderbilt.

CHARLES H. GIBSON, JR. (1962), Professor, Education. BS, MA, Eastern Kentucky; PhD, Kentucky.

HUGH R. GILLILAND (1966), Professor, Industrial Education and Technology. BS, MS, Northwestern (LA); EdD, Missouri.

BETTY D. GIVAN (1981), Assistant Professor, Mathematical Sciences. BS, MS, Eastern Kentucky; additional graduate work, Eastern Kentucky.

RICHARD E. GIVAN (1975), Professor, Police Studies. BA, Eastern Kentucky; JD, Louisville.

TIMOTHY GLOTZBACH (1980), Associate Professor, Art. BS, Indiana State; MFA, Southern Illinois.

MARC A. GOLDSTEIN (1977), Associate Professor, Sociology. BA, Colgate; MA, PhD, Illinois (Urbana-Champaign).

CAROL R. GOOD (1985), Assistant Professor, Social Work. BA, Colby; MSW, Kentucky.

MAX HOWARD GOOD (1976), Basketball Coach; Assistant Professor, Physical Education. BS, MA, additional graduate work, Eastern Kentucky.

MARGARET O. GRAHAM (1970), Assistant Professor, Elementary Education; Supervising Teacher, Laboratory School. BSE, Arkansas (Monticello); MAEd, EdS, Eastern Kentucky.

BONNIE JEAN GRAY (1974), Professor, Philosophy. BA, Hope; MA, PhD, Syracuse.

GWENDOLYN W. GRAY (1972), Assistant Professor, Learning Skills. AB, MA, Eastern Kentucky; additional graduate work, Eastern Kentucky, Kentucky.

LLOYD J. GRAYBAR (1966), Professor, History. AB, Middlebury; MA, PhD, Columbia.

DAVID W. GREENLEE (1979), Associate Professor, Music. BS, MA, Ball State; DME, Indiana.

DONALD L. GREENWELL (1980), Professor, Computer Science. BS, Murray State; PhD, Vanderbilt.

CHRISTINA GRIFFIN (1977), Assistant Professor, Occupational Therapy. OTR; BA, Indiana; MAEd, Eastern Kentucky.

KENNETH D. GRIFFITH (1965), Associate Professor, Accounting. BS, Eastern Kentucky; MBA, Kentucky; CPA, Kentucky.

MARTHA GRISE (1967), Associate Professor, English. AB, Kentucky Wesleyan; MA, Eastern Kentucky; PhD, Kentucky.

ROBERT N. GRISE (1963), Professor, Educational Foundations. AB, MA, Eastern Kentucky; EdD, Kentucky.

JOHN E. GUMP (1974), Professor, Business Education and Office Administration. BSBA, Waynesburg; MA, West Virginia; PhD, Ohio State.

DAHLIA HAYS HAAS (1986), Instructor, Special Ecucation. BS, MAEd, Eastern Kentucky.

DARREL W. HAJEK (1986), Associate Professor, Computer Science. BA, MA, Nebraska; PhD, Florida.

DARRYL HALBROOKS (1972), Professor, Art. BA, Evansville; MFA, Southern Illinois.

E. CARROLL HALE (1969), Professor, Art. BA, Kentucky; MFA, Maryland Institute of Art.

NORVALINE C. HALE (1957), Associate Professor, Management. BS, MA, Eastern Kentucky; EdD, Indiana; additional graduate work, Kentucky.

BENNY V. HALL (1981), Assistant Professor, Mathematical Sciences. BS, MA, additional graduate work, Eastern Kentucky.

SARAH HALL (1985), Assistant Professor, Nursing. RN; BSN, Eastern Kentucky; MSN, Vanderbilt.

KENNETH S. HANSSON (1966), Dean, College of Applied Arts and Technology; Professor, Industrial Education and Technology. BS, Southern Illinois; MEd, PhD, Missouri.

JOHN P. HARLEY (1970), Professor, Biology. BA, Youngstown State; MA, PhD, Kent State.

H. ANDREW HARNACK (1976), Professor, English. AA, Concordia Junior; BA, Concordia Senior; MST, Concordia Seminary; MA, Southwestern Louisiana; PhD, Oklahoma State.

BOND HARRIS (1973), Associate Professor, Philosophy. BA, Richmond; BD, ThM, Southeastern Seminary; PhD, Drew.

JAMES S. HARRIS (1965), Professor, Mass Communications. AB, Kentucky; MA, Illinois; additional graduate work, Missouri, Louisiana State, Ohio State.

LONNIE G. HARRIS (1987), Assistant Professor, Special Education. BA, Texas Tech; MA, North Texas State.

PHILLIP H. HARRIS (1964), Professor, Art. AB, MA, Kentucky.

DOMINICK J. HART (1970), Chair, Professor, English. BS, St. Peter's; PhD, South Carolina.

LEON HART (1978), Assistant Football Coach; Assistant Professor, Physical Education. BA, Maryville; MA, Eastern Kentucky.

EMOGENE HOGG HARTMAN (1960), Professor, Business Education and Office Administration. BS, Berea; MA, Eastern Kentucky; EdD, Tennessee.

ROBERT HARTWELL (1967), Professor, Music. BME, Capital; MA, Ohio State; DME, Cincinnati.

ARTHUR S. HARVEY (1972), Director, Career Development and Placement; Assistant Professor, Health. BS, MS, Kansas State; additional graduate work, Kansas, Lewis College.

ARTHUR W. HARVEY (1973), Professor, Music and Music Education. BS, Gordon; MM, Boston; DMA, Temple.

BETTY K. HATFIELD (1963), Associate Professor, Library Science. AB, MSLS, Kentucky.

GLENN W. HAYES (1966), Professor, Agriculture. BS, MEd, EdD, Illinois.

SUSIE HAYES (1966), Associate Professor, Elementary Education; Supervising Teacher, Laboratory School. BS, MEd, Illinois; additional graduate work, Eastern Kentucky.

KLAUS H. HEBERLE (1972), Professor, Political Science. BA, Louisiana State; MA, PhD, Chicago.

CHARLES T. HELFRICH (1971), Professor, Geology. BA, St. Charles Seminary; MSS, Villanova; PhD, Virginia Polytechnic Institute.

CHARLES L. HELMUTH (1969), Professor, Art. BA, MFA, Pennsylvania State.

PHYLLIS A. HENDERSON (1982), Assistant Professor, Educational Psychology and Counseling. BM, Miami (OH); MEd, Wright State; EdD, Cincinnati.

STEPHEN A. HENDERSON (1971), Director, Laboratory School; Professor, Science Education. BS, Eastern Illinois; MEd, EdD, Virginia; additional graduate work, Florida State, Western Michigan.

ROBERTA C. HENDRICKS (1968), Professor, Elementary Education. BS, MAEd, Eastern Kentucky; EdD, Kentucky.

DONALD G. HENRICKSON (1959), Professor, Music. BM, MM, Illinois; DMA, Missouri.

KEVIN HENRICKSON (1986), Instructor, Music Education; Supervising Teacher, Laboratory School. BME, MM, Eastern Kentucky.

H. RICHARD HENSEL (1967), Professor, Music. BM, MM, American Conservatory of Music; DMA, Illinois.

DEBRA A. HENSGEN (1986), Visiting Assistant Professor, Computer Science. BS, Eastern Kentucky; MA, MS, Kentucky; additional graduate work, Kentucky.

LINDA S. HENSON (1983), Assistant Professor, Mass Communications. BA, MA, MA, Kentucky; additional graduate work, Kentucky, Eastern Kentucky.

JANET G. HIBBARD (1961), Professor, Marketing. BS, MA, Eastern Kentucky; EdD, Indiana.

J. THOMAS HIGGINS (1972), Tennis Coach; Director, Adams Indoor Tennis Center; Assistant Professor, Health Education. BS, MA, Murray State; additional graduate work, George Peabody, East Tennessee, Eastern Kentucky.

KATHLEEN KULP HILL (1969), Professor, Spanish. BS, Kansas State; MA, PhD, New Mexico.

ORDELLE HILL (1966), Professor, English. BA, Augustana; MA, Auburn; PhD, Illinois.

CHARLES L. HILTON (1979), Chair, Business Administration; Professor, Transportation and Physical Distribution. BS, MS, North Carolina (Chapel Hill); PhD, Michigan State.

C. DOUGLAS HINDMAN (1968), Professor, Psychology. BA, McMurray; MS, PhD, Florida State.

FRANCES A. HINDSMAN (1981), Chair, Associate Professor, Medical Record Science. RRA; BA, MBA, Jacksonville State (AL).

JACK A. HISSOM (1967), Assistant Professor, Health. BS, MA, Eastern Kentucky; additional graduate work, Kentucky, Ohio, Eastern Kentucky.

BRUCE HOAGLAND (1967), Professor, Music. BS, Indiana State; MS, Illinois; DMA, Missouri.

JACQUELINE C. HOFFMANN (1965), Assistant Professor, Elementary Education; Supervising Teacher, Laboratory School. BS, MA, Eastern Kentucky; additional graduate work, Eastern Kentucky, Kentucky.

JEANNE A. HOLLAND (1973), Professor, Humanities. BA, Fontbonne; BM, Webster; MA, PhD, North Carolina.

HAROLD Z. HOLMES, JR. (1969), Professor, Physical Education. BS, MS, PhD, Illinois.

RONALD L. HOPKINS (1976), Assistant Professor, Fire Safety Engineering Technology. BS, MS, Murray State.

PATRICIA HOWARD (1987), Instructor, Medical Services Technology. RN; BSN, Kentucky.

BONNIE B. HUME (1968), Professor, Educational Foundations. AB, Eastern Kentucky; MA, EdD, Kentucky.

ALAN J. HUNT (1982), Assistant Professor, English. BS(Ed), Ball State; MA, Butler; PhD, Ball State.

MAX B. HUSS (1971), Associate Professor, Speech. BS, MA, Arizona; PhD, Colorado.

BARBARA HUSSEY (1981), Associate Professor, English. BA, California; MS, PhD, Purdue.

JANIS L. HUSTON (1987), Assistant Professor, Medical Record Science. RRA; BS, Ohio State; MEd, Bowling Green State.

RICHARD ILLMAN (1978), Assistant Professor, Music. BM, MM, Kentucky.

TERESA A. ISAAC (1983), Associate Professor, Paralegal Science. BA, Transylvania; JD, Kentucky.

JUDITH A. ISAACS (1969), Assistant Professor, Art Education; Supervising Teacher, Laboratory School. BA, Valparaiso; MS, Indiana; additional graduate work, Ohio, Eastern Kentucky, Long Island.

PATRICIA ISSACS (1982), Assistant Professor, Accounting. BBA, MBA, Eastern Kentucky; additional graduate work, Kentucky, CPA, Kentucky.

RONALD B. ISAACS (1969), Professor, Art. AB, Berea; MFA, Indiana.

JACK D. ISON (1967), Assistant Football Coach; Assistant Professor, Health Education. BS, MA, Eastern Kentucky; additional graduate work, Indiana.

DAWN W. JACKSON (1986), Instructor, Medical Record Science. RRA; BS, East Carolina.

BILLY D. JANEWAY (1981), Associate Professor, Mathematical Sciences. BS, Cumberland; MS, PhD, Houston.

KAREN N. JANSSEN (1976), Associate Professor, Special Education. BA, DePauw; MS, EdD, Indiana.

PAT JARCZEWSKI (1985), Chair, Assistant Professor, Nursing. RN; BSN, Mary Hardin-Baylor; MS, Texas Woman's.

KYLE R. JAUSSI (1987), Associate Professor, Special Education. BS, MEd, Utah State; MA, California State; PhD, Nebraska-Lincoln.

JOHN D. JENKINS (1970), Coordinator, Industrial Technology; Professor, Industrial Education and Technology. BS, MA, Ball State; EdD, Texas A&M.

M. WAYNE JENNINGS (1970), Director, Intramural Recreational Sports; Associate Professor, Physical Education. BA, MEd, Texas; MS, Eastern Kentucky; EdD, North Texas.

MYRENA JENNINGS (1967), Professor, Business Education and Office Administration. BS, MA, Eastern Kentucky; PhD, Georgia State.

JOAN JINKS (1984), Assistant Professor, Nursing. RN; AA, Morehead; BSN, Eastern Kentucky; MSN, Kentucky.

VIRGINIA NILL JINKS (1963), Associate Professor, Physical Education. BSEd, Bowling Green; MA, Eastern Kentucky; additional graduate work, Eastern Kentucky, Springfield, Colorado, West Virginia, Ball State, Illinois, Long Beach State, Connecticut, New York.

FRED M. JOHNSON (1969), Associate Professor, English. BA, Union; MA, PhD, Alabama.

KEITH W. JOHNSON (1976), Assistant Professor, Theatre Arts. AB, Eastern Kentucky; MA, MFA, Cincinnati.

SARAH T. JOHNSON (1970), Assistant Professor, Social Science. AB, MA, Alabama; additional graduate work, Kentucky.

W. JOSEPH JOINER, II (1983), Associate Professor, General Business. BA, Georgetown; JD, Louisville.

JO NELL JONES (1964), Professor, Business Education and Office Administration. BA, Bowling Green College of Commerce; MA, Western Kentucky; EdD, Tennessee.

RONALD L. JONES (1981), Associate Professor, Biology. BA, David Lipscomb; PhD, Vanderbilt.

SANFORD L. JONES (1961), Chair, Biological Sciences; Professor, Biology. BS, Eastern Kentucky; MS, Kentucky; PhD, Medical School, Tennessee.

WILLIAM F. JONES (1971), Associate Professor, Philosophy. BS, BA, Georgetown (KY); MA, PhD, Tulane.

NANCY JOSEPH (1985), Assistant Professor, Nursing. RN; ADN, BUS, Morehead; BSN, MSN, Kentucky.

JERRY E. JOYNER (1969), Professor, Industrial Education and Technology. BS, MS, Eastern Kentucky; EdD, Missouri.

JAMES M. KARNS (1975), Professor, Economics. BS, U.S. Military Academy; MA, PhD, Oklahoma.

ROSEMARY M. KARR (1981), Assistant Professor, Mathematical Sciences. BS, MA, additional graduate work, Eastern Kentucky.

LISETTE KAUTZMANN (1986), Visiting Assistant Professor, Occupational Therapy. OTR; BS, MS, Milwaukee-Downer; EdD, Nova.

SHIRLEY KEARNS, JR. (1962), Assistant Professor, Physical Education; Supervising Teacher, Laboratory School. AB, MA, Eastern Kentucky; additional graduate work, Kentucky, Eastern Kentucky.

THOMAS L. KEEFE (1966), Assistant Professor, Biology. BS, MS, South Carolina; PhD, Georgia.

LARRY KELLEY (1978), Assistant Professor, Nursing. RN, CFNP; BSN, Eastern Kentucky; MSN, Tennessee.

ROY C. KEPFERLE (1982), Professor, Geology. BA, Colorado; MS, South Dakota School of Mines and Tech.; PhD, Cincinnati.

ROY L. KIDD (1963), Football Coach; Assistant Professor, Physical Education. BS, MA, additional graduate work, Eastern Kentucky.

JEFFERY B. KILGORE (1986), Instructor, Industrial Education and Technology. BA, BS, Berea; MS, Eastern Kentucky.

ROGER D. KINCER (1974), Assistant Professor, Industrial Education; Supervising Teacher, Laboratory School. BS, MAEd, Spec. Tech., Eastern Kentucky.

AMY P. KING (1972), Professor, Mathematical Sciences. BS, Missouri; MA, Wichita State; PhD, Kentucky.

MILTON S. KING (1975), Professor, Management. BBA, MS, Texas A&I; DBA, Mississippi State.

REBECCA K. KING (1973), Associate Professor, French. BA, McNeese State; Diploma, Sorbonne (Paris); MA, Indiana; PhD, Kentucky.

SUSAN H. KIPP (1984), Assistant Professor, Home Economics. BS, Kentucky; MS, Iowa State.

DOROTHY KIRKPATRICK (1962), Professor, Physical Education. BS, Winthrop; MS, Tennessee; EdD, Kentucky; additional graduate work, Eastern Kentucky.

MARY ELLEN KLATTE (1970), Associate Professor, Social Science. BA, Eastern Kentucky; MA, EdD, Kentucky.

GLEN A. W. KLEINE (1967), Chair, Associate Professor, Mass Communications. BS, MA, Missouri; EdS, Eastern Kentucky; EdD, East Tennessee.

ROBERT L. KLINE (1969), Chair, Government; Professor, Political Science. BS, Carroll; MA, Northern Illinois; PhD, Colorado.

KATHY KLUEMPER (1984), Instructor, Nursing. RN; BSN, MSN, Kentucky.

THOMAS E. KNIGHT (1978), Assistant Professor, Agriculture. BS, MS, Tennessee; additional graduate work, Tennessee, Kentucky, Eastern Kentucky.

BEN J. KOEPKE (1979), Associate Professor, Traffic Safety. BA, Andrews; MA, EdS, PhD, Michigan State.

FREDERICK C. KOLLOFF (1969), Director, Division of Television and Radio; Assistant Professor, Broadcasting. BA, Kalamazoo; MA, Michigan State; EdD, Indiana.

PAULA KOPACZ (1985), Associate Professor, English. AB, Mount Holyoke; MA, Connecticut; PhD, Columbia.

LAVINIA H. KUBIAK (1978), Assistant Professor, Home Economics. BS, MS, Florida State; additional graduate work, Eastern Kentucky.

TIMOTHY J. KUBIAK (1973), Professor, Geography and Planning. BA, Toledo; MA, PhD, Michigan State.

KARL F. KUHN (1966), Professor, Physics. BA, Bellarmine; MS, PhD, Kentucky.

GARY L. KUHNHENN (1979), Chair, Professor, Geology. BS, Morehead State; MS, Eastern Kentucky; PhD, Illinois.

BETSY KURZINGER (1980), Assistant Professor, Art. BFA, MFA, East Carolina.

MICHIKO KWAK (1972), Assistant Professor, Libraries and Learning Resources. BA, MA, Eastern Kentucky; MSLS, Kentucky; additional graduate work, Eastern Kentucky.

TAE-HWAN KWAK (1969), Professor, Political Science. BA, Hanguk of Foreign Studies (Korea); MA, Clark; PhD, Claremont Graduate School.

JACKSON B. LACKEY (1986), Assistant Professor, Computer Science. BS, Eastern Kentucky; MA, additional graduate work, Kentucky.

CHRISTOPHER E. LAIRD (1967), Professor, Physics. BS, MS, PhD, Alabama.

ROBERT K. LANDRUM (1984), Professor, Management. BS, Kentucky; SB, Chicago; MBA, Harvard; DBA, Kentucky.

BENNIE R. LANE (1966), Professor, Mathematical Sciences. BA, MA, Colorado State; PhD, George Peabody.

JOSEPHINE G. LANE (1978), Associate Professor, Mathematical Sciences. BA, Northern Colorado; MA, Eastern Kentucky; EdD, Kentucky.

PRISCILLA LANE (1967), Assistant Professor, Elementary Education; Supervising Teacher, Laboratory School. AB, MAEd, Eastern Kentucky.

THEODOR LANGENBRUCH (1980), Chair, Foreign Languages; Professor, German. MA, PhD, Hamburg (Germany).

DONALD L. LANHAM (1987), Visiting Assistant Professor, Industrial Education and Technology. BS, MA, Southern Illinois.

CHARLES E. LASH (1967), Associate Professor, Industrial Education and Technology. BS, MA, Murray State; additional graduate work, Murray State, Eastern Kentucky, Missouri.

THOMAS LASTER (1985), Assistant Professor, Occupational Therapy. OTR; BA, BS, MS, Indiana.

HAROLD L. LATHAM (1970), Assistant Professor, Accounting. BS, MA, Kentucky; CPA, Kentucky, Tennessee; additional graduate work, Kentucky.

CHARLES M. LATTA (1966), Assistant Professor, English. BA, MA, Louisville.

PAUL R. LAWRENCE (1982), Professor, Educational Administration. BS, MSEd, EdD, Indiana.

JOHN C. LAWSON (1970), Associate Professor, Music and Music Education. AB, Western Kentucky; MA, additional graduate work, George Peabody.

LYNDA N. LEE (1984), Associate Professor, Educational Psychology. BFA, Valdosta State; MA, PhD, Alabama.

MICKEY M. LEE (1984), Professor, Educational Psychology. BS, Slippery Rock; MEd, EdS, Edinboro (PA); PhD, Alabama.

NANCY LEE-RIFFE (1968), Professor, English. BA, Agnes Scott; MA, Radcliffe; PhD, Kentucky.

JUDITH J. LEONARD (1983), Assistant Professor, Marketing. BS, Appalachian State; MS, EdD, Auburn.

ESTHER LEUNG (1979), Professor, Special Education. BA, Columbia Bible; MAEd, MAEd, Eastern Kentucky; PhD, Ohio State.

SAMUEL S. LEUNG (1969), Professor, Geology. BS, National Taiwan; MS, PhD, Illinois.

JEROME H. LEVAN (1969), Professor, Computer Science. BS, MA, Alabama; PhD, Kentucky.

MARIJO O. LEVAN (1969), Professor, Mathematical Sciences. BS, Spring Hill; MA, Alabama; PhD, Florida.

L. MICHAEL LEWIS (1968), Associate Professor, Social Science. BA, St. Joseph's; MA, additional graduate work, Notre Dame.

RAYMOND J. LEWIS (1965), Associate Professor, Social Science. BS, MA, Kent State; additional graduate work, Kent State, Arizona, Kentucky, Poona (India).

BARBARA E. LICHTY (1976), Assistant Professor, Elementary Education; Supervising Teacher, Laboratory School. BS, Ohio State; MAEd, additional graduate work, Eastern Kentucky.

DANIEL A. LICHTY (1969), Assistant Professor, Physical Education. BA, MA, California State (Los Angeles); additional graduate work, Eastern Kentucky.

CHANG-YANG LIN (1983), Assistant Professor, Computer Information Systems. BA, Taiwan; MS, Kentucky; PhD, Arkansas.

ENGMING LIN (1976), Professor, Computer Information Systems. BS, Cheng Kung; MS, Missouri; PhD, Texas Tech.

SUSAN C. LINNENKOHL (1980), Assistant Professor, Home Economics. BS, Eastern Kentucky; MS, Kansas State; additional graduate work, Eastern Kentucky, Kansas State.

THEODORE J. LLOYD (1986), Instructor, Industrial Education and Technology. BS, MS, Wisconsin-Stout.

JOHN M. LONG (1967), Dean, College of Arts and Humanities; Professor, English. AB, Furman; MA, Northeastern; PhD, North Carolina.

ROSANNE B. LORDEN (1986), Assistant Professor, Psychology. BA, Armstrong State; MS, PhD, Georgia.

REID A. LUHMAN (1974), Professor, Sociology. AB, California (Davis); MA, PhD, Kansas.

HEINO A. LUTS (1967), Professor, Chemistry. BS, Upsala (Sweden); MS, PhD, Mississippi.

JACK A. LUY (1964), Dean for Community College Programs; Professor, Industrial Education and Technology. BS, MS, Stout State; EdD, Missouri.

MARCIA LUY (1970), Assistant Professor, Nursing. RN; BSN, Kentucky; MA, Eastern Kentucky.

DEBORAH C. MAADEN (1986), Visiting Instructor, Mathematical Sciences. BA, Kentucky; MS, Purdue.

JOHN D. MACDONALD (1983), Assistant Professor, Psychology. BA, New York (Buffalo); PhD, Texas (Austin).

D. NORRIS MACKINNON (1977), Associate Professor, Spanish. AB, Davidson; MA, North Carolina; PhD, Kentucky.

BRUCE MACLAREN (1969), Chair, Natural Science; Professor, Physical Science. BA, Luther; MS, PhD, Wisconsin.

MARCIA MACLAREN (1980), Assistant Professor, Learning Skills. BA, Luther; MA, additional graduate work, Eastern Kentucky.

SUSAN MAHANNA-BODEN (1986), Assistant Professor, Special Education. BSEd, Kansas; MS, Phillips; additional graduate work, Wichita State.

JON R. MAKI (1975), Associate Professor, Biological Science. BA, Minnesota (Duluth); MS, PhD, Michigan State.

W. GLYNN MANGOLD (1987), Associate Professor, Marketing. BS, Murray; DBA, Memphis State.

A. JAMES MANGUS, JR. (1959), Assistant Professor, English. AB, Concord; MA, Marshall.

JAMES R. MANN (1971), Assistant Professor, Traffic Safety. AA, BS, MA, Eastern Kentucky.

WALTER MARCUM (1964), Professor, Educational Administration. BS, Union; MA, EdD, Kentucky.

DAVID N. MARDON (1976), Professor, Biology. AB, PhD, Syracuse.

RONALD L. MARIONNEAUX (1977), Professor, Geography and Planning. BA, Northeast Louisiana; MA, Louisiana State; PhD, Indiana.

SHARON MARSH (1973), Assistant Professor, Libraries and Learning Resources. BS, MSLS, Wisconsin-Milwaukee; MA, Eastern Kentucky.

JUNE MARTIN (1976), Assistant Professor, Libraries and Learning Resources. BS, Eastern Kentucky; MSLS, additional graduate work, Kentucky.

SANDRA MARTIN (1975), Tennis Coach; Assistant Professor, Physical Education. BS, MA, Eastern Kentucky; additional graduate work, Eastern Kentucky, Virginia, Longwood.

SYBIL MARTIN (1977), Assistant Professor, Elementary Education; Supervising Teacher, Laboratory School. BS, Tennessee Polytechnic; MAEd, additional graduate work, Eastern Kentucky.

WILLIAM H. MARTIN (1969), Director of Natural Areas; Professor, Biology. BS, Tennessee Tech; MS, PhD, Tennessee; post doctoral research, Kentucky, Colorado State.

GLADYS MASAGATANI (1982), Professor, Occupational Therapy. OTR; BA, Hawaii; Postbaccalaureate Certificate, Wayne State; MEd, Florida.

DEBORAH C. MASDEN (1986), Visiting Instructor, Mathematical Sciences. BA, Kentucky; MS, Purdue.

JAMES W. MASTERSON (1969), Professor, Industrial Education and Technology. BS, MA, Eastern Kentucky; EdD, Missouri.

MILDRED MAUPIN (1962), Associate Professor, Physical Education. BS, Appalachian; MA, Eastern Kentucky; additional graduate work, Eastern Kentucky, Kentucky.

SHIRLEY S. MCAFEE (1975), Assistant Professor, Mathematical Sciences. BS, MA, additional graduate work, Eastern Kentucky.

RUTH A. MCCANN (1962), Assistant Professor, Business Education. BS, MA, Eastern Kentucky; EdS, additional graduate work, Kentucky.

MARGARET A. MCCARTHY (1981), Associate Professor, Home Economics. BA, Marian; MPH, California (Berkeley); additional graduate work, Eastern Kentucky.

JAMES C. MCCHESNEY (1966), Chair, Recreation and Park Administration; Professor, Recreation. BS, MA, Western Kentucky; DirR, ReD, Indiana.

MARY JO MCCLURE (1987), Assistant Professor, Nursing. RN; BSN, MSN, Kentucky.

JAMES W. H. MCCORD (1978), Associate Professor, Paralegal Science. BS, Tennessee; JD, Wisconsin Law School.

BERTHA LYNN MCCREARY (1986), Assistant Professor, Education; Secondary Counselor, Laboratory School. BA, MA, Eastern Kentucky.

MARLENE S. MCCULLOUGH (1981), Assistant Professor, Elementary Education; Supervising Teacher, Laboratory School. BS, California State (PA); MEd, James Madison; additional graduate work, California State, Virginia, Eastern Kentucky.

MARY BETH MCDOWELL (1979), Assistant Professor, Nursing. RN, CS; BSN, Marillac; MN, Mississippi.

JOAN MCGILL (1975), Assistant Professor, Nursing. RN, CS; BSN, Western Reserve; MSN, Kentucky.

NANCY J. MCKENNEY (1985), Instructor, Libraries and Learning Resources. BME, Eastern Kentucky; MSLS, MA, additional graduate work, Kentucky.

WILLIAM A. MCKENNEY, JR. (1969), Professor, Educational Foundations. AB, MA, Kentucky; PhD, Florida State.

JOHN M. MCLEAN (1980), Assistant Professor, Environmental Health Science. BA, Mercer; MPH, Minnesota.

SUSAN I. MCMAHON (1982), Assistant Professor, English Education; Supervising Teacher, Laboratory School. BA, MA, Central Michigan; EdS, Michigan State.

DEBORAH MCNEIL (1984), Chair, Associate Professor, Nursing. RN; BSN, Kentucky; MSN, North Carolina (Chapel Hill); DSN, Alabama (Birmingham).

ROY S. MECKLER (1972), Professor, Special Education. BS, Pittsburgh; MA, PhD, George Peabody.

PRASAD V. MEDURY (1986), Assistant Professor, Finance. B. Comm, Delhi, (India); MBA, PhD, Cincinnati.

JOHN L. MEISENHEIMER (1963), Professor, Chemistry. BA, Evansville; PhD, Indiana; post doctoral research, Indiana.

DOROTHY MERCER (1987), Assistant Professor, Psychology. BA, Adrian; MA, Michigan; PhD, Michigan State.

RONALD J. MESSERICH (1982), Assistant Professor, Philosophy. BA, Hamline; PhD, Syracuse.

VICTOR C. MESSMER (1961), Professor, Accounting. BS, Eastern Kentucky; MBA, DBA, Kentucky; CPA, Kentucky.

SCOTT C. METCALF (1983), Assistant Professor, Mathematical Sciences. BA, South Florida; MA, PhD, Kentucky.

J. ROBERT MILLER (1971), Chair, Professor, Philosophy and Religion. BA, Mercer; BD, Southern Baptist Theological Seminary; MA, Kentucky; PhD, Tulane.

ROBERT J. MILLER (1969), Professor, Science Education. BS, Mankato State; MST, North Dakota; PhD, Texas.

DONALD BENSON MILLS (1965), Professor, Educational Foundations. BS, MA, Eastern Kentucky; EdD, Maryland.

KAY B. MILLS (1968), Assistant Professor, Elementary Education; Supervising Teacher, Laboratory School. BS, MA, Kentucky; additional graduate work, Eastern Kentucky.

MARY ANN MILWARD (1986), Assistant Professor, Marketing. BS, MBA, additional graduate work, Kentucky.

AMIYA K. MOHANTY (1969), Professor, Sociology. BA, Utkal (India); MA, Bombay (India); Diploma in Social Science Methodology, Utkal (India); PhD, Florida State.

JOHN R. MONRAD (1983), Assistant Professor, Geology. BA, Brown; MA, Duke; PhD, North Carolina.

DALE R. MONSEBROTEN (1966), Professor, Geography, PhB, MS, North Dakota; PhD, Indiana State.

PAMELA MOORE (1986), Associate Professor, Nursing. RN; BSN, Berea; MPH, North Carolina.

JAMES MORETON (1986), Assistant Professor, Speech and Theatre Arts. BA, MA, Missouri; MFA, Florida State.

ELMO E. MORETZ (1967), Professor, Education. BS, MA, Appalachian State; EdD, Miami (FL).

WILLIAM ALFRED MORRIS (1969), Professor, Elementary Education. BA, Harding; MA, California State (Long Beach); EdD, George Peabody.

WILLIAM R. MORROW (1968), Co-Director, Center for Economic Education; Professor, Economics. BS, West Virginia; MS, PhD, Tennessee.

DONALD E. MORTLAND (1971), Associate Professor, English. BA, MA, Wichita State; PhD, Oklahoma.

PAUL C. MOTLEY (1969), Professor, Physical Education. BA, MA, EdS, Eastern Kentucky; EdD, Arkansas.

MARTHA MULLINS (1969), Assistant Athletic Director; Professor, Physical Education. BS, Alabama; MS, PhD, Florida State.

ALICE MURRAY (1974), Assistant Professor, Nursing. RN; BSN, Wayne State; MSN, Kentucky.

BERT MUTERSBAUGH (1967), Associate Professor, History. BA, MA, PhD, Missouri.

THOMAS D. MYERS (1964), Vice President for Student Affairs; Professor, Health. BS, MS, Bowling Green State; EdD, Temple.

ROBERT NAYLE (1967), Professor, Mathematical Sciences. BS, Kentucky; MA, Western Kentucky; PhD, Kentucky.

CHARLES L. NELSON (1967), Professor, Spanish. AB, MA, PhD, North Carolina.

JOHN WALTER NELSON (1970), Professor, English. BA, Trinity; BD, Yale; MA, PhD, Ohio State.

KENNETH R. NELSON (1972), Associate Dean, College of Social and Behavioral Sciences; Professor, Social Science. AB, Alabama; MA, PhD, Georgia.

PATRICIA R. NELSON (1983), Assistant Professor, Special Education. BA, Northeastern Oklahoma; MA, Tulsa; EdD, Oklahoma State.

ROBERT R. NELSON (1983), Assistant Professor, Mathematical Sciences. BS, Allegheny; MA, PhD, Pittsburgh.

REBECCA NEWSOME (1983), Associate Professor, Medical Assisting Technology. MT(ASCP); BS, MS, Eastern Kentucky; PhD, Memphis State.

DAVID NG (1967), Associate Professor, Mathematical Sciences. BS, Hardin Simmons; MS, Arkansas; MA, Appalachian State; additional graduate work, Florida, Kentucky.

DOUGLAS J. NIELAND (1969), Assistant Professor, Recreation. BS, Iowa Northern; MA, Indiana; additional graduate work, Maryland.

WILLIAM M. NIXON (1974), Associate Professor, Police Studies. BA, Eastern Kentucky; JD, Kentucky.

KENNETH E. NOAH (1973), Director for Cooperative Education; Assistant Professor, Cooperative Education; BS, Salem; MS, additional graduate work, Kentucky.

SUSAN L. NOBLITT (1980), Assistant Professor, Medical Technology. MT(ASCP); BS, Ball State; MA, Eastern Kentucky.

GEORGE S. NORDGULEN (1972), University Chaplain; Professor, Religion. BTh, Northwest Christian; AB, BD, Phillips; PhD, Claremont.

ANTON N. NYERGES (1969), Professor, Social Science. BA, MA, PhD, Indiana.

RAYMOND J. OCHS (1976), Assistant Professor, Traffic Safety. BS, Northwest Missouri State; MS, Indiana State.

WALTER M. ODUM (1964), Associate Professor, History. BA, MA, PhD, Florida State.

MARION W. OGDEN (1976), Assistant Professor, Recreation. BM, Baylor; MRE, Southern Baptist Theological Seminary; MS, Memphis; ReD, Indiana.

CECIL C. ORCHARD (1966), Associate Professor, Social Science and History. BA, Brigham Young; MA, PhD, Brandeis.

RAYMOND B. OTERO (1968), Professor, Biology. BS, Dayton; MS, Rochester; PhD, Maryland; post doctoral research, Kentucky.

JOANNA PATERNO (1980), Associate Professor, Elementary Education. BS, Cleveland State; MSEd, Indiana; PhD, Ball State.

ALFRED L. PATRICK (1965), Chair, Professor, Business Education and Office Administration. BS, MEd, Virginia Polytechnic; EdD, Tennessee.

DALE R. PATRICK (1956), Professor, Industrial Education and Technology. BS, MS, Indiana State, additional graduate work, Eastern Kentucky, Indiana State.

MARIETTA S. PATRICK (1981), Associate Professor, English. BA, Morehead State, MA, Ohio; PhD, Kentucky.

JAMES C. PATTERSON III (1980), Associate Professor, Computer Science. BA, MA, SUNY (Brockport); PhD, Kentucky.

LING-YUH PATTIE (1976), Assistant Professor, Libraries and Learning Resources. BA, Taiwan; MSLS, Kentucky; additional graduate work, Eastern Kentucky, Kentucky.

JANET PATTON (1975), Professor, Political Science. BA, Mount Holyoke; MA, PhD, California (Berkeley).

RITA PAXSON (1979), Assistant Professor, Nursing. RN; BSN, Eastern Kentucky; MSN, Kentucky.

NANCY D. PEEL (1967), Professor, Elementary Education. AB, MA, Kentucky; EdD, Indiana; Honorary Diploma Mathematics, Goulburn (Australia).

SHIRLEY A. PEGANOFF (1983), Assistant Professor, Occupational Therapy. OTR; BS, Temple; MS, Rush.

JERRY P. PERRY (1973), Professor, Mass Communications. BA, Berea; MA, Iowa; PhD, Syracuse.

PAMELA PETERS (1987), Visiting Instructor, Nursing. RN; BSN, MSN, Kentucky.

HARRIET PFOTENHAUER (1979), Assistant Professor, Nursing. RN; BSN, Milligan; MA, Eastern Kentucky.

GEORGE L. PFOTENHAUER, JR. (1969), Director, Division of Instructional Media; Assistant Professor, Libraries and Learning Resources. AA, Wilson Junior; BEd, Chicago Teachers; MS, Indiana; additional graduate work, Kentucky.

ODELL PHILLIPS (1965), Professor, Physical Education. BS, Murray State; MA, Alabama; PhD, Florida State.

RONALD PIERCE (1964), Associate Professor, Mathematical Sciences. BS, Morehead State; MS, additional graduate work, Kentucky.

BONNIE PLUMMER (1973), Associate Professor, English. BA, MA, Eastern Kentucky; EdD, Kentucky.

ELMER C. POE (1981), Associate Professor, Industrial Education and Technology. BS, Fairmont; MS, Eastern Kentucky; PhD, Maryland.

GERALDINE J. POLVINO (1966), Volleyball Coach; Professor, Physical Education. BS, State University College at Brockport; MA, Eastern Kentucky; PhD, Iowa.

HOWARD B. POWELL (1969), Professor, Chemistry. BS, Murray State; MA, PhD, Texas.

PAMELA A. POWELL (1985), Instructor, Foreign Language Education; Supervising Teacher, Laboratory School. AB, MA, additional graduate work, Eastern Kentucky.

BETTY C. POWERS (1977), Chair, Professor, Home Economics. BS, Berea; MS, EdD, Kentucky.

ROGER W. PREWITT (1968), Coordinator, Industrial Arts Education; Professor, Industrial Education and Technology. BS, MA, Eastern Kentucky; EdD, Northern Colorado.

DENNIS E. QUILLEN (1967), Associate Professor, Geography and Planning. BS, MS, PhD, Tennessee.

JANE G. RAINEY (1967), Professor, Political Science. AB, Goucher; MA, PhD, Emory.

GLENN W. RAINEY, JR. (1972), Professor, Political Science. BA, Oglethorpe; MA, PhD, Georgia.

BARBARA A. RAMEY (1983), Associate Professor, Biology. BA, Cornell College; MS, Miami (Ohio); PhD, Kentucky.

LESLIE C. RAMSDELL (1970), Associate Professor, Health Education. BS, Lyndon State; MS, Indiana; EdD, West Virginia.

IMOGENE RAMSEY (1965), Chair, Curriculum and Instruction; Professor, Elementary Education. BS, MA, Eastern Kentucky; EdD, Indiana.

DEBRA RANSOM (1985), Instructor, Nursing. RN; BSN, Murray; MSN, Evansville.

LOIS RAPP (1985), Visiting Instructor, Nursing. RN; AA, BSN, Eastern Kentucky; additional graduate work, Bellarmine, Eastern Kentucky.

MARSHALL W. REAVIS (1986), Chairholder of Insurance; Professor, Insurance. AB, MBA, Indiana; PhD, Georgia.

Y. MADHUSUDHAN REDDY (1985), Associate Professor, Computer Science. BS, MS, Osmania (India); PhD, Texas (Arlington); additional graduate work, Minnesota.

IRA MAX REED (1974), Associate Professor, Accounting. BSBA, MBA, Arkansas; PhD, Missouri-Columbia; CMA, CCA.

THOMAS E. REED (1971), Professor, Correctional Services. AB, Southwestern of Memphis; BD, Louisville Presbyterian Theological Seminary; MA, PhD, Kentucky.

JOAN REEDER (1974), Professor, Chemistry. BS, Idaho; PhD, Brigham Young; post doctoral research, UCLA.

CHARLES H. REEDY (1972), Chair, Professor, Correctional Services. AB, Berea; MA, EdD, Kentucky.

BEVERLY A. REITSMA (1987), Instructor, Education; Librarian, Laboratory School. BA, MA, Western Michigan.

PETER P. REMALEY (1969), Professor, English. BS, Clarion State; MA, Kent State; DA, Carnegie-Mellon.

DIAN RENFRO (1981), Assistant Professor, Nursing. RN; BSN, Florida State; MSN, Kentucky.

JOHN REPEDE (1984), Chair, Assistant Professor, Medical Services Technology. EMT-P; BA, Sangamon State; MBA, Illinois.

DOUGLAS N. REYNOLDS (1982), Associate Professor, Biological Science. BS, Yale; PhD, Duke.

ROBERT S. REYNOLDS (1986), Assistant Professor, Social Studies Education; Supervising Teacher, Laboratory School. BSEd, Kent State; MEd, Toledo.

JALEH REZAIE (1983), Assistant Professor, Computer Science. AS, Prestonsburg (Kentucky); BS, MS, additional graduate work, Eastern Kentucky.

TRUETT A. RICKS (1972), Dean, College of Law Enforcement; Professor, Police Studies. BBA, MBA, Memphis State; PhD, Florida State.

PATRICK E. RIDGLEY (1967), Security/Quality Control Officer; Instructor, Computer Information Systems. BS, Illinois; additional graduate work, Illinois, Eastern Kentucky.

JAY G. RIGGS (1968), Associate Professor, Psychology. AB, MA, PhD, Wayne State.

RICHARD A. RINK (1977), Associate Professor, Computer Science. BSEE, Purdue; MS, PhD, Rochester.

GARY K. RITCHISON (1979), Associate Professor, Biology. BA, MA, Mankato State; PhD, Utah State.

MICHAEL T. ROBERSON, (1987), Associate Professor, Management. BS, Auburn; MS, PhD, Tennessee.

CAROL C. ROBERTS (1968), Assistant Professor, Social Science. BA, Eastern Kentucky; MA, additional graduate work, Kentucky.

FRANCIS J. ROBERTS (1978), Assistant Professor, Social Studies Education; Supervising Teacher, Laboratory School. AB, Eastern Kentucky; MA, California (Davis); additional graduate work, California, Eastern Kentucky.

JOHN ROBERTS (1985), Chair, Professor, Music. BM, Oklahoma City; MM, Eastman; PhD, Louisiana.

SUSAN ROBERTS (1986), Instructor, Occupational Therapy. OTR; BS, Boston; MDiv, Harvard.

DANNY R. ROBINETTE (1972), Chair, Speech and Theatre Arts; Professor, Speech. BA, Berea; MAT, Vanderbilt; PhD, Ohio.

GEORGE W. ROBINSON (1956), Professor, History. BS, MS, PhD, Wisconsin.

RICHARD M. ROBINSON (1985), Assistant Professor, Finance. BS, Portland State; PhD, Oregon; post doctoral, Georgia.

LUCILLE B. ROBUCK (1971), Associate Professor, Police Studies. MSSW, JD, Louisville.

BENJAMIN EDWIN ROBUCK, JR. (1975), Associate Professor, Correctional Services. AB, Mercer; MDiv. MRE, Southern Baptist Theological Seminary; MA, Spalding; PhD, Kentucky.

DOUGLAS C. ROGERS (1986), Assistant Professor, Mass Communications. BS, MS, Arkansas State.

NELLIE ROGERS (1971), Assistant Professor, Nursing. RN; BSN, Kentucky; MA, Eastern Kentucky.

JOEL M. ROITMAN (1970), Associate Professor, Social Science. BS, MA, Memphis State; PhD, Cincinnati.

JOHN D. ROWLETT (1951), Vice President, Academic Affairs and Research; Dean of Faculties; Professor, Industrial Education and Technology. BS, MS, North Texas State; EdD, Illinois.

ROSALEE ROY (1973), Assistant Professor, Business Education; Supervising Teacher, Laboratory School. AB, MA, EdD, Kentucky.

DAVID L. RUSH (1970), Director, Professional Laboratory Experiences; Professor, Educational Administration. AB, MA, Eastern Kentucky; EdD, Ball State.

DON E. RYOTI (1977), Professor, Mathematical Sciences. BA, Northwestern; MA, Ohio State; PhD, Illinois.

DARNELL SALYER (1959), Professor, Chemistry. BS, Eastern Kentucky; PhD, Ohio State.

STEVEN P. SAVAGE (1975), Chair, Anthropology, Sociology, and Social Work; Associate Professor, Anthropology. BA, Kansas; MA, PhD, Colorado.

PAMELA SCHLOMANN (1986), Instructor, Nursing. RN; ASN, Eastern Kentucky; BA, Wheaton; BSN, MSN, Kentucky.

RONALD V. SCHMELZER, JR. (1983), Associate Professor, Curriculum and Instruction. BS, St. Cloud State; MA, Washington State; PhD, Minnesota.

JOAN SCHMITKE (1983), Instructor, Nursing. RN; BSN, MSN, Kentucky.

RICHARD G. SCHMITT (1979), Chair, Associate Professor, Medical Technology. SM(ASCP); BS, Lawrence (WI); MS, Midwestern State (TX).

PAUL S. SCHNARE (1980), Associate Professor, Mathematical Sciences. BA, MS, New Hampshire; PhD, Tulane; post doctoral research, Florida.

WILLIAM D. SCHULZ (1968), Professor, Chemistry. BA, MA, Mankato State; PhD, Louisiana State.

GUENTER A. SCHUSTER (1979), Professor, Biology. BS, Dayton; MS, Eastern Kentucky; PhD, Tennessee.

JOSEPH R. SCHWENDEMAN (1966), Vice President for Administrative Affairs; Professor, Geography. BS, MS, Kentucky; PhD, Indiana.

MARIA G. SCORSONE (1968), Professor, Spanish. BA, R. Institute Magistrale F.A., Palermo (Italy); PhD, Syracuse.

BRETT D. SCOTT (1967), Associate Professor, Correctional Services. BS, Pikeville; MEd, Louisville; EdD, Kentucky.

DAVID S. SEFTON (1985), Chair, Professor, History. BA, California State; MA, PhD, Michigan State.

LARRY C. SEXTON (1976), Professor, Educational Psychology and Counseling. BSE, MAE, EdD, Ball State.

DONALD SHADOAN (1962), Chair, Professor, Economics. BS, MS, PhD, Kentucky.

MARGARET M. SHARON-SAGE (1983), Assistant Professor, Home Economics. BS, Eastern Kentucky; MA, additional graduate work, Kentucky.

ROBERT R. SHARP (1969), Professor, Economics. BS, PhD, Kentucky.

FORREST B. SHEARON (1973), Associate Professor, Humanities. AB, Union; MA, PhD, Louisville.

ROGER M. SHELOR (1986), Assistant Professor, Management. BA, Virginia Tech; MBA, Auburn; additional graduate work, Kentucky.

UN-CHOL SHIN (1977), Professor, Humanities. BA, Seoul National; BS, Bemidji State; MA, PhD, Minnesota.

RICK J. SHORT (1987), Assistant Professor, Psychology. BA, Texas; MEd, Southwest Texas; PhD, North Carolina.

RICHARD J. SHUNTICH (1972), Associate Professor, Psychology. BA, Youngstown; MA, PhD, Kent State.

PHYLLIS SHUTTLEWORTH (1985), Instructor, Science Education; Supervising Teacher, Laboratory School. BS, MAEd, Eastern Kentucky.

CAROL K. SIGELMAN (1979), Associate Professor, Psychology. BA, Carleton; MA, PhD, George Peabody.

J. ALLEN SINGLETON (1972), Professor, Political Science. BA, Texas Technological; MA, Sul Ross State; PhD, Texas Technological.

EDWIN D. SMATHERS, JR. (1979), Professor, Industrial Education and Technology. BSE, US Naval Academy; ME, Texas; additional graduate work, College of the Armed Forces.

HARRY M. SMILEY (1967), Chair, Professor, Chemistry. BS, Eastern Kentucky; MS, PhD, Kentucky.

CLAUDE K. SMITH (1964), Chair, Professor, Accounting. BS, Eastern Kentucky; MRE, Southern Baptist Theological Seminary; MBA, Kentucky; CPA, Indiana.

DIONNE F. SMITH (1976), Assistant Professor, Recreation. AA, BS, MS, Eastern Kentucky; additional graduate work, Eastern Kentucky, Kentucky.

ETHEL B. SMITH (1972), Registrar; Assistant Professor, Elementary Education. BA, Kentucky; BS, MA, EdS, Eastern Kentucky.

PERRY DARDEN SMITH (1984), Instructor, Music. BM, Oberlin; MM, Indiana.

THEODORE N. SMITH (1970), Professor, Speech. BA, Central Methodist; MA, Missouri; PhD, Michigan State.

RICHARD W. SNARR (1969), Professor, Correctional Services. BS, Wittenberg; MA, Kentucky; PhD, Kentucky.

SHIRLEY M. SNARR (1968), Professor, Home Economics. BA, Whittenburg; MS, PhD, Kentucky.

DAVID C. SOUSA (1972), Professor, Physics. BS, Canisius; PhD, Notre Dame.

MITTIE D. SOUTHERLAND (1978), Associate Professor, Police Studies. BS, MS, Eastern Kentucky; PhD, additional graduate work, Kentucky.

BARBARA SOWDERS (1966), Assistant Professor, English. AB, MA(Ed), MA, Eastern Kentucky.

ALBERT G. SPENCER (1969), Professor, Industrial Education and Technology. BS, Eastern Kentucky; MEd, EdD, Missouri.

BONNIE P. SPENCER (1986), Instructor, Home Economics. BS, Missouri; MA, Eastern Kentucky.

DARLA K. SPRINGATE (1982), Associate Professor, Home Economics. BS, MS, EdD, Kentucky.

JACQUELINE B. SPURLOCK (1966), Professor, French. BA, Toronto; MA, PhD, Kentucky.

PEGGY STANALAND (1968), Chair, Professor, Physical Education. BA, MA, Florida; PED, Indiana.

ALAN STAPLES (1961), Professor, Music. BM, Curtis Institute of Music; BM, MM, Eastman School of Music; DMA, Cincinnati.

DIANA STAPLETON (1972), Assistant Professor, Libraries and Learning Resources. BA, MA, Eastern Kentucky; MSLS, Kentucky.

K. ANN STEBBINS (1969), Chair, Professor, Social Science. BS, Bowling Green State; MA, PhD, Kentucky.

ROBERT E. STEBBINS (1963), Professor, History. BA, Bowling Green State; BD, Yale; MA, PhD, Minnesota.

SHERYL J. STEPHAN (1973), Professor, Recreation. BS, MacMurray; MA, Iowa State; ReD, Indiana.

ALLAN D. STEPHENS (1982), Assistant Professor, Music Education; Supervising Teacher, Laboratory School. BA, Southern Illinois; MEd, Southwest Texas State; additional graduate work, Texas, Illinois.

BETTY J. STOESS (1970), Associate Professor, Science Education. BA Louisville; MA, PhD, Ohio State.

KARA L. STONE (1969), Assistant Professor, Social Science. AB, Knoxville; MA, Eastern Kentucky; additional graduate work, Maryland, Virginia Polytechnic, Kentucky.

ALLEN STORIE (1986), Instructor, Physical Education; Supervising Teacher, Laboratory School. BS, MS, Indiana.

JOHANNA F. STRANGE (1976), Assistant Professor, Elementary Education; Supervising Teacher, Laboratory School. AB, Asbury; MAEd, EdS, Eastern Kentucky; additional graduate work, Kentucky.

JOHN F. STRATMAN III (1981), Associate Professor, Construction Technology. BSCE, Purdue; MSCE, Kentucky.

VERNON S. STUBBLEFIELD (1971), Associate Professor, Chemistry/Forensic Science. BS, Murray; PhD, Kentucky.

JAMES C. STULL (1965), Professor, Educational Foundations. BSEd, Bowling Green State; MS, Indiana; PhD, Toledo.

QAISAR SULTANA (1980), Professor, Special Education. BA, MA, Karachi (Pakistan); MAEd, American University of Beirut (Lebanon); PhD, Georgia.

JEAN C. SURPLUS (1967), Professor, Music Education. BME, Oberlin Conservatory of Music; MA, EdD, Columbia.

ROBERT W. SURPLUS (1965), Professor, Music and Music Education. BS, Susquehanna; MA, EdD, Columbia.

DOROTHY M. SUTTON (1978), Associate Professor, English. BS, Georgetown (KY); MA, Mississippi; PhD, Kentucky.

G. WILLIAM SUTTON (1967), Professor, English. BA, Georgetown (KY); MA, PhD, Mississippi.

SARA W. SUTTON (1971), Assistant Professor, Home Economics. BS, Kentucky; MS, Indiana; additional graduate work, Eastern Kentucky, Kentucky.

CHARLES A. SWEET, JR. (1970), Professor, English. AB, Washington and Lee; MA, PhD, Florida State.

G. WAYNE SWEZIG (1984), Associate Professor, Educational Administration. BME, MAEd, Murray; MBA, Dayton; EdS, Toledo; PhD, Miami (OH).

KAMBIZ TABIBZADEH (1985), Assistant Professor, Management. BS, London; M Tech, Brunel (England); PhD, Houston.

MORRIS D. TAYLOR (1963), Professor, Chemistry. BS, MS, PhD, Purdue.

CHARLES D. TEAGUE (1969), Associate Professor, Physics. BS, East Tennessee State; MS, Ohio; additional graduate work, Rochester.

STELLA K. TERANGO (1978), Assistant Professor, Elementary Education; Supervising Teacher, Laboratory School. BS, West Virginia; MA, East Tennessee; additional graduate work, Eastern Kentucky.

WILLIAM R. THAMES (1974), Director, Field Services and Professional Development; Professor, Social Studies Education. BA, Huntingdon; MA, EdD, Alabama.

CAROL THOMAS (1975), Assistant Professor, Libraries and Learning Resources. AB, MA, MPA, Eastern Kentucky; MSLS, Kentucky; additional graduate work, Kentucky, Eastern Kentucky.

EARL M. THOMAS (1969), Professor, Music. BM, MM, Oklahoma.

JOHN C. THOMAS (1983), Associate Professor, Industrial Arts Education. BS, MAEd, Eastern Kentucky; EdD, Cincinnati.

HOWARD A. THOMPSON (1974), Professor, Marketing. BBA, California (Berkeley); MBA, Tulane; PhD, Alabama.

KELLY G. THOMPSON (1978), Professor, Elementary Education. BS, Pikeville; MAEd, Eastern Kentucky; EdD, Alabama.

MARVIN P. THOMPSON (1968), Professor, Biology. BS, Kentucky; MS, Kansas State; PhD, Southern Illinois.

MERITA L. THOMPSON (1972), Professor, Health Education. BS, Cumberland; MS, Tennessee; EdD, Alabama.

RALPH J. THOMPSON (1965), Professor, Chemistry. BS, MS, East Texas State; PhD, Texas; post doctoral research, Indiana.

DANIEL T. THORNE (1986), Assistant Professor, Accounting. BS, SUNY; MBA, Eastern Kentucky; DBA, CPA, Kentucky.

BILL G. TILLETT (1974), Chair, Professor, Loss Prevention and Safety. BS, Louisville; MS, Eastern Kentucky; EdD, Kentucky.

JUANITA TODD (1960), Professor, Art. AB, Georgetown (KY); MA, Kentucky.

CALVIN TOLAR (1970), Director of Counseling Center; Professor, Education. BA, East Texas Baptist College; BD, Southwestern Theological Seminary; MS, PhD, East Texas State.

JAMES L. TOPPEN (1986), Associate Professor, Industrial Education and Technology. BS, Northern Michigan; MS, Central Connecticut State; PhD, Arizona.

DANIEL L. TORBETT (1965), Professor, Industrial Education and Technology. BS, MS, Arkansas State; EdD, Missouri.

EVANS D. TRACY (1973), Director of Grants and Contracts; Associate Professor, Correctional Services. BS, Transylvania; MSW, Louisville.

HOMER W. TRACY (1982), Instructor, Theatre Arts. BA, MA, Western Kentucky.

PEGGY TUDOR (1984), Assistant Professor, Nursing. RN; BSN, MSN, Kentucky.

KENNETH D. TUNNELL (1962), Professor, Social Science. AB, Carson-Newman; MA, Eastern Kentucky; EdD, Kentucky.

REBECCA TURNER (1972), Assistant Professor, Libraries and Learning Resources. BA, Eastern Kentucky; MSLS, Kentucky; additional graduate work, Eastern Kentucky.

DIANE L. VACHON (1977), Assistant Professor, Home Economics. BS, MS, additional graduate work, Kentucky.

ROE VAN BOSKIRK (1978), Associate Professor, Music. BA, Washington; MM, DM, Indiana.

CORA L. VAN MIDDLESWORTH (1984), Instructor, Special Education; Supervising Teacher, Laboratory School. BA, MA, Marshall; additional graduate work, Eastern Kentucky.

BEVERLY A. VANCE (1976), Assistant Professor, Nursing. RN; BSN, MSN, Kentucky.

JACQUELINE G. VANCE (1976), Assistant Professor, Elementary Education; Supervising Teacher, Laboratory School. BS, North Texas State; MAEd, additional graduate work, Eastern Kentucky.

RICHARD G. VANCE (1969), Professor, Political Science. BA, MA, North Texas State; PhD, North Carolina.

HOLLY R. VANWEGEN (1974), Assistant Professor, Medical Technology. MT(ASCP); BSMT, North Carolina (Greensboro); MS, Temple.

DAN R. VARNEY (1968), Professor, Biology. BA, MS, PhD, Kentucky.

CLAUDE M. VAUGHAN (1981), Professor, Economics. AB, MA, PhD, Kentucky.

HERBERT VESCIO (1966), Director, Student Financial Assistance; Assistant Professor, Education. BS, MA, Eastern Kentucky; additional graduate work, Eastern Kentucky, Kentucky.

JANNA P. VICE (1976), Assistant Professor, Business Education and Office Administration. BS, MA, Eastern Kentucky; EdD, Kentucky.

BINDIGANAVALE S. VIJAYARAMAN (1987), Assistant Professor, Computer Information Systems. BS, MS, Bangalore (India); MSDS, PhD, Georgia State.

ELIZABETH R. WACHTEL (1975), Director, Advising and Testing; Associate Professor, Correctional Services. BS, MA, PhD, Kentucky.

J. MURRAY WALKER (1966), Professor, Anthropology. AB, Mercer; BD, ThD, New Orleans Baptist Seminary; additional graduate work, Kentucky, Colorado, New York Studies in Israel, Emory, Tulane.

JO ANN WALKER (1971), Associate Professor, Education; Elementary Counselor, Laboratory School. BS, Campbellsville; MA, EdS, Western Kentucky; additional graduate work, Eastern Kentucky.

WILMA J. WALKER (1973), Chair, Geography and Planning; Professor, Geography. BA, Morehead State; MA, PhD, Kentucky.

CAROLYN WALKO (1974), Associate Professor, Nursing. RN; BSN, Berea; MSN, Kentucky.

GREGORY M. WALSKO (1980), Assistant Professor, Elementary Education. BS, MAEd, Ball State; PhD, Purdue.

JAMES M. WARD (1979), Baseball Coach; Assistant Professor, Health Education. BS, Ohio; MA, Eastern Kentucky.

VIRGINIA E. WARMING (1974), Associate Professor, Learning Skills. AB, Berea; MA, Eastern State College; EdS, Kentucky.

KERSTIN P. WARNER (1974), Professor, English. AB, Vassar; MA, PhD, Minnesota.

LISA G. WARNER (1980), Assistant Professor, Home Economics. BS, Eastern Kentucky; MS, Kentucky; additional graduate work, Eastern Kentucky, Kentucky.

ELAINE WATERS (1983), Assistant Professor, Nursing. RN, FNP, CPN; BSN, Vanderbilt; MS, Rochester.

THOMAS C. WATKINS (1984), Associate Professor, Economics. AB, MA, Missouri; PhD, Iowa State.

WILLIAM H. WATKINS (1968), Professor, Psychology. BS, Western Reserve; MS, Trinity; PhD, Texas.

JAMES W. WEBB (1969), Professor, Social Science. BA, MA, PhD, Louisiana State.

ALLEN L. WEBSTER (1979), Associate Professor, Economics. BS, MS, Kansas State (Fort Hays); PhD, Florida State.

C. ROBERT WELCH (1979), Assistant Professor, Social Work. AB, MA, Marshall; MSW, Smith College.

JOHN O. WERNEGREEN (1969), Professor, Physical Science. BS, MEd, EdD, Illinois.

ERNEST W. WEYHRAUCH (1966), Dean, Professor, Libraries and Learning Resources. BA, NYU; MLS, Columbia; MA, Eastern Kentucky; additional graduate work, Indiana, City College.

CHARLES F. WHITAKER (1976), Coordinator, Freshman English Composition Program; Associate Professor, English. BA, Western Kentucky; MA, PhD, Purdue.

DENNIS A. WHITCOPF (1968), Professor, Art. BA, San Fernando Valley State; MFA, Pennsylvania State.

ERNEST R. WHITE (1979), Chair, Administration, Counseling and Educational Studies; Professor, Educational Administration. AA, Ashland Community; AB, MA, Marshall; EdD, Kentucky.

ISABELLE B. WHITE (1967), Associate Professor, English. AB, MA, Eastern Kentucky; PhD, Kentucky.

CHARLES D. WHITLOCK (1968), Executive Assistant to the President; Assistant Professor, Mass Communications. BA, MA, Eastern Kentucky; EdD, Kentucky.

MARK WHITLOCK (1986), Instructor, Music. BME, Iowa State; MA, Iowa.

LEONARD N. WIDENER (1969), Associate Professor, Social Studies Education. BS, Stetson; MS, Adv. MEd, Florida State.

RHONDA WILKERSON (1986), Visiting Instructor, English. BA, MA, Eastern Kentucky.

FRANK C. WILLIAMS (1973), Professor, Philosophy; BEE, Georgia Institute of Technology; BD, Southwestern Baptist Seminary; PhD, Duke.

MARK H. WILLIAMS (1979), Assistant Professor, Industrial Education and Technology. BS, MA, Eastern Kentucky; EdD, Kentucky.

SUSAN C. WILLIS (1975), Professor, Home Economics, BA, Centre; MA, PhD, Ohio State.

A. CLIFFORD WILSON (1970), Associate Professor, Accounting. BS, MA, Kentucky; CPA, West Virginia; additional graduate work, Cincinnati.

JOEL E. WILSON (1982), Assistant Professor, Mathematical Sciences. BS, Morehead State; MA, MS, Eastern Kentucky.

LOYANNE WILSON (1987), Assistant Professor, Home Economics. BS, MS, Kentucky; additional graduate work, California at Davis.

MICHAEL A. WILSON (1983), Associate Professor, Agriculture. BS, Kansas State, MS, Michigan State; PhD, Virginia Polytechnic.

LINDA C. WIMBERLY (1986), Assistant Professor, Paralegal Science. BA, JD, Kentucky.

PAUL C. WINTHER (1973), Professor, Anthropology. AAS, New York State; BA, MA, Michigan State; PhD, Cornell.

JOE WISE (1969), Professor, Educational Administration. AB, Eastern Kentucky; MA, EdD, Kentucky.

SUE WISENBAKER (1967), Assistant Professor, Nursing. RN; BSN, Florida State; MA, Eastern Kentucky.

VANCE WISENBAKER, JR. (1966), Dean, College of Social and Behavioral Sciences; Professor, Sociology. BA, MS, Florida State; PhD, Georgia.

ROBERT W. WITT (1970), Professor, English. AB, Georgetown (KY); AM, PhD, Mississippi.

RON G. WOLFE (1969), Associate Professor, Mass Communications. BA, Eastern Kentucky; MA, Ohio; EdD, Kentucky.

BRUCE I. WOLFORD (1979), Professor, Correctional Services. BS, MA, PhD, Ohio State.

LYLE C. WOLFROM (1960), Professor, Music. BM, Kansas; MM, Ohio State; MM, Indiana; additional study, Akedemie fur Musik (Germany).

WANDA WOOTON (1975), Assistant Professor, Nursing. RN; BSN, Berea; MA, Eastern Kentucky.

VITALY WOWK (1976), Associate Professor, Russian. BA, Mississippi State; MA, PhD, Ohio State.

LINDA WRAY (1983), Assistant Professor, Nursing. RN; BS, Lenior-Rhyne; MSN, North Carolina (Greensboro).

CAROL J. WRIGHT (1974), Assistant Professor, Mass Communications. BA, MA, East Texas; additional graduate work, Eastern Kentucky, Kentucky.

J. WARD WRIGHT (1983), Associate Professor, Management. BA, JD, Chicago; MPA, DPA, Southern California.

VIRGINIA B. WRIGHT (1982), Professor, Economics. BA, Kansas State; PhD, George Washington.

NEIL H. WRIGHT III (1983), Assistant Professor, Humanities. BA, MA, Middle Tennessee; PhD, Florida State.

RUDOLPH B. WUILLEUMIER (1971), Assistant Professor, Economics. BS, Eastern Kentucky; additional graduate work, Kentucky.

DAVID N. ZURICK (1987), Assistant Professor, Geography. BA, MS, Michigan State; PhD, Hawaii.

KATHERINE ZUZULA (1982), Assistant Professor, Elementary Education; Supervising Teacher, Laboratory School. BA, Saginaw Valley State; MA, Central Michigan.

Retired Faculty

KERNEY M. ADAMS, BS, AM, 1928 - 1969, Professor of History.

AIMEE H. ALEXANDER, BA, MA, 1961 - 1983, Associate Professor of English.

CHARLES F. AMBROSE, AB, MA, EdD, 1961 - 1982, Professor of Education.

JOHN B. ANGLIN, BS, MS, AMT, EdD, 1972 - 1984, Professor of Educational Psychology and Counseling.

L. L. BARLOW, BA, MA, BD, EdD, 1968 - 1986, Professor of Social Science.

NANCY E. HARP BOHON, BA, MRE, PhD, 1975 - 1986, Professor of Elementary Education.

COLLIN J. BOYD, BS, MA, 1967 - 1976, Assistant Professor of Social Science.

EMERY BREWER, AB, MA, PhD, 1968 - 1984, Professor of Educational Foundations.

FRED W. BRIZENDINE, AB, MA, 1963 - 1984, Assistant Professor of Economics.

ROBERT O. BROWN, AB, MBA, CPA, 1966 - 1972, Professor of Accounting.

VEVA A. BUCCHOLZ, BSEd, MS, 1959 - 1973, Associate Professor of Home Economics.

HUGH M. BYRD, BA, MS, 1968 - 1979, Professor of Police Administration.

ERNEST E. BYRN, BS, PhD, 1966 - 1986, Professor of Chemistry.

JACK T. CALLENDER, AB, MA, 1965 - 1979, Assistant Professor of English.

CHRISTINE CALVERT, BS, MS, PhD, 1969 - 1984, Professor of Home Economics.

GLENN O. CAREY, AB, MA, PhD, 1967 - 1986, Professor of English.

WILLIAM E. CARFIELD, BS, MA, 1973 - 1986, Associate Professor of Security and Loss Prevention.

ELIZABETH R. CARR, AB, MAEd, 1971 - 1987, Assistant Professor of Mathematics Education.

EMMA YOUNG CASE, AB, MA, 1925 - 1962, Associate Professor of Education.

ELIZABETH S. CASTLE, AA, AB, BSLS, 1967 - 1978, Assistant Professor of Library Science.

ANN M. CHASE, BS, MS, PhD, 1965 - 1980, Professor of Home Economics.

FRANK R. CHASE, AB, BSLS, 1965 - 1980, Assistant Professor of Library Science.

JOHN H. CHISHOLM, BEd, MEd, 1964 - 1981, Assistant Professor of Elementary Education.

HAZEL I. CHRISMAN, BA, MA, 1959 - 1977, Associate Professor of English.

RICHARD G. CHRISMAN, BA, BA, JD, 1951 - 1974, Professor of Economics.

LARUE COCANOUGHER, AB, MA, EdD, 1966 - 1981, Professor of Education.

ANNA M. CORNELISON, BS, MA, 1963 - 1976, Assistant Professor of Elementary Education.

JACK E. CREECH, AB, MA, EdS, 1956 - 1980, Associate Professor of History.

MABEL CRISWELL, AB, MA, 1970 - 1985, Associate Professor of Education.

FRED E. DARLING, BS, MA, MAEd, DirR, DirPE, ReD, 1947 - 1984, Professor of Physical Education.

JAMES E. DAVIDSON, BS, MS, AMT, EdD, 1971 - 1979, Professor of Mathematics Education.

JAMES HOMER DAVIS, BS, MEd, 1949 - 1979, Professor of Industrial Education and Technology.

FRANCIS Z. DAVY, AB, MA, PhD, 1967 - 1981, Professor of English.

NANNIE B. DEGARNETTE, AB, 1967 - 1979, Assistant Professor, Library.

WIETSE DEHOOP, BAEd, MS, MA, EdD, 1969 - 1982, Professor of Special Education.

WALLACE C. DIXON, AB, AM, PhD, 1966 - 1987, Professor of Biological Sciences.

LOLA T. DOANE, AB, MAEd, PhD, 1970 - 1982, Professor of Educational Psychology and Counseling.

MARC A. DUVAL, BBA, MBA, PhD, CPA, 1978 - 1985, Associate Professor of Accounting.

EDITH G. FORD, BSC, AB, MA, 1927 - 1962, Associate Professor of Commerce.

CACUS P. FRENCH, BS, MA, 1962 - 1978, Assistant Professor of Educational Foundations.

ELBA B. GAFFIN, AB, MEd, EdD, 1973 - 1986, Professor of Education.

DEAN GATWOOD, AA, BS, MA, 1947 - 1981, Professor of Art Education.

RICHARD LEE GENTRY, BS, MA, EdD, 1964 - 1983, Professor of Physical Education.

MARION H. GILLIM, AB, MA, PhD, 1974 - 1979, Distinguished Professor of Economics.

OBERITA HAGER, AB, MA, PhD, 1967 - 1977, Professor of Business Administration.

DOROTHY W. HARKINS, BS, MS, EdD, 1968 - 1985, Professor of Physical Education.

GLYNNA J. HAYS, BS, MSEd, 1963 - 1986, Assistant Professor of Home Ecomonics Education.

THOMAS C. HERNDON, AA, BS, MA, PhD, 1930 - 1967, Professor of Chemistry.

EDWIN A. HESS, BS, MS, PhD, 1969 - 1985, Professor of Biology.

BENTLEY J. HILTON, AB, MA, EdS, 1960 - 1977, Assistant Professor of Economics.

GERTRUDE M. HOOD, AB, AM, 1928 - 1972, Associate Professor of Health.

LINDSEY H. HORN, BS, MS, PhD, 1977 - 1987, Professor of Agriculture.

WILLIAM A. HOUSEHOLDER, BS, MS, PhD, 1965 - 1983, Professor of Agriculture.

AUGHTUM S. HOWARD, AB, MS, PhD, 1958 - 1972, Professor of Mathematics.

JOSEPH M. HOWARD, BS, MA, EdD, 1962 - 1979, Professor of Elementary Education.

ROBERT L. HUNGARLAND, BS, MBA, 1964 - 1984, Associate Professor of Marketing.

MARY K. INGELS, AB, MA, 1961 - 1974, Assistant Professor of French.

ELIZABETH L. JEFFRIES, BS, MS, 1967 - 1987, Assistant Professor of Elementary Education.

MABEL W. JENNINGS, BS, MA, EdS, 1947 - 1986, Professor of Elementary Education.

ANNA JOHNSON, RN, BSN, MSN, 1973 - 1987, Associate Professor of Nursing.

PAULINE WILSON KNAPP, BS, MA, PhD, LHD, LLD, 1968 - 1971, Distinguished Professor of Home Economics.

ROBERT L. LADD, AB, MA, 1963 - 1974, Associate Professor of French and Latin.

HARVEY H. LAFUZE, AB, MS, PhD, 1939 - 1976, Professor of Biology.

ROBERT C. LAY, BS, MS, 1975 - 1986, Assistant Professor of Agriculture.

JAMES A. LEE, AB, MA, PhD, 1967 - 1986, Professor of Psychology.

CLYDE J. LEWIS, AB, MA, PhD, 1946 - 1980, Professor of History and Social Science.

RUBY LYNN, RN, BSN, MSN, 1973 - 1987, Assistant Professor of Nursing.

JAY C. MAHR, BA, MS, PhD, 1968 - 1983, Professor of Physics.

HENRY G. MARTIN, BA, MA, EdD, 1955 - 1975, Professor of Educational Administration.

LARRY O. MARTIN, BS, MA, 1960 - 1986, Assistant Professor of Industrial Education and Technology.

ROBERT R. MARTIN, AB, MA, EdD, LLD, 1960 - 1976, President Emeritus.

LILLIAN M. MAXFIELD, AB, MA, BSLS, 1962 - 1970, Instructor, Library.

LOUIS A. MCCORD, AB, MAT, ThB, 1969 - 1987, Associate Professor of Social Science.

ALVIN MCGLASSON, BS, MS, 1949 - 1983, Professor of Mathematical Sciences.

MARY MCGLASSON, AB, MA, 1967 - 1983, Assistant Professor of Biology.

WILLARD THOMAS MCHONE, AB, MEd, 1955 - 1987, Associate Professor of Art Education.

ALEX GENTRY MCILVAINE, JR., BS, MA, 1947 - 1976, Professor of Accounting.

NANCY G. MILLER, BA, MA, 1930 - 1972, Associate Professor of Library Science.

MARGARET H. MOBERLY, BS, MBA, 1946 - 1974, Professor of Business Education and Office Administration.

WILLIE MOSS, BS, MA, 1952 - 1975, Professor of Home Economics.

EDSEL R. MOUNTZ, BS, MA, 1956 - 1982, Associate Professor of Business Education and Office Adminstration.

GEORGE E. MUNS, BA, MA, PhD, 1969 - 1987, Professor of Music.

THOMAS E. MYERS, BS, MS, 1952 - 1979, Professor of Industrial Education and Technology.

DIXIE B. MYLUM, AB, MA, MRE, 1965 - 1984, Associate Professor of Social Science.

THERESA C. NEWHOFF, AB, MA, 1967 - 1974, Assistant Professor of Art and Education.

ROBERT L. NICHOLS, BS, MA, PhD, 1969 - 1974, Distinguished Professor of Geology.

JOSEPHINE M. NIMS, AB, MA, 1965 - 1982, Assistant Professor of English.

FREDERIC D. OGDEN, AB, PhD, 1961 - 1980, Professor of Political Science.

ROBERT L. OGLE, BS, MS, EdD, 1966 - 1986, Professor of Industrial Education and Technology.

JANET OLDHAM, BS, MS, 1962 - 1974, Assistant Professor of English.

GENEVA W. OWENS, AB, MA, 1962 - 1980, Associate Professor of English Education.

NANCY R. PARK, AB, Certificate in LS, 1954 - 1968, Assistant Professor, Library.

SMITH PARK, BS, MS, PhD, 1923 - 1967, Professor of Mathematics.

IVOL G. PARKER, BA, MA, PhD, 1978 - 1984, Assistant Professor of English.

KERMIT PATTERSON, BS, MBA, EdD, 1955 - 1982, Professor of Business Administration.

L. CROCKER PEOPLES, BS, PhD, 1970 - 1987, Associate Professor of Pyschology.

RUTH T. PHILLIPS, BS, MS, 1978 - 1987, Assistant Professor of Home Economics.

ROBERT W. POSEY, BA, MS, EdD, 1966 - 1983, Professor of Police Administration.

J. C. POWELL, AB, MEd, EdD, 1960 - 1985, President Emeritus.

LOUIS A. POWER, BS, MA, 1969 - 1982, Assistant Professor of Education.

GLENN E. PRESNELL, BS, 1947 - 1972, Assistant Professor of Health and Physical Education.

ELIZABETH RAGLAND, AB, MA, 1967 - 1975, Associate Professor of Mathematics.

VERA V. RALEIGH, AB, MA, 1959 - 1970, Associate Professor of Geography.

ROBERT W. RANDALL, AB, MA, EdD, 1967 - 1978, Associate Professor of Social Studies Education.

HELEN M. REED, AB, BA, MA, EdD, 1965 - 1970, Professor of Secondary Education.

BYNO R. RHODES, BA, MA, PhD, 1958 - 1983, Professor of English.

MARY F. MCKINNEY RICHARDS, BS, MA, 1923 - 1966, Associate Professor Geography and Geology.

ROLLIN R. RICHARDS, AB, MBA, 1929 - 1966, Professor of Business.

CHARLES L. ROSS, BA, MA, EdD, 1963 - 1982, Professor of Educational Administration.

LEON ROTTERSMAN, BA, MA, PhD, 1966 - 1984, Professor of Psychology.

WARD J. RUDERSDORF, BS, MS, PhD, 1967 - 1982, Professor of Biology.

ETHEL SAMS, BS, MA, 1963 - 1979, Associate Professor of Elementary Education.

ELIZABETH NEWBY SAYLOR, RRA, BS, MAEd, 1979 - 1986, Assistant Professor of Health Record Science.

FRANCESCO G. SCORSONE, BA, PhD, 1965 - 1986, Professor of Mathematical Sciences.

MILOS M. SEBOR, DR.ILLD, MA, PhD, 1968 - 1980, Professor of Geography and Planning.

BLANCHE S. SEEVERS, BM, BA, MM, 1938 - 1968, Professor of Music.

WILLIAM E. SEXTON, BS, MEd, EdD, 1957 - 1986, Professor of Industrial Education and Technology.

DANIEL N. SHINDELBOWER, AB, MA, 1961 - 1984, Professor of Art.

CHARLES V. SHIPLEY, LLB, 1968 - 1980, Professor of Traffic Safety.

THERESA E. SLAVOSKY, BA, MA, 1965 - 1970, Assistant Professor of English.

PAULINA SLOAN, RN, BS, MA, 1970 - 1979, Professor of Nursing.

DOROTHY H. SMITH, BS, MA, 1966 - 1980, Associate Professor of Elementary Education.

KATHLEEN SMITH, BA, MA, 1966 - 1986, Assistant Professor of English.

JAMES G. SNOWDEN, AB, MA, EdD, 1954 - 1979, Professor of Educational Psychology.

HOWARD D. SOUTHWOOD, AB, MEd, EdD, 1969 - 1982, Professor of Educational Psychology and Counseling.

JEANNETTE B. SOWDERS, AB, MA, 1969 - 1987, Assistant Professor of Library Science.

ANNA M. STARK, AB, MA, 1963 - 1972, Assistant Professor of Elementary Education.

BEN STARK, AB, MA, 1967 - 1975, Associate Professor of Social Work.

SIDNEY STEPHENS, JR., BS, MS, 1956 - 1980, Associate Professor of Mathematics.

JAMES W. STOCKER, BS, MS, 1946 - 1985, Professor of Agriculture.

VIRGINIA F. STORY, BS, MA, 1927 - 1962, Assistant Professor of Elementary Education.

MARJORIE JEANNE STULL, BSEd, MAEd, 1970 - 1983, Assistant Professor of Health and Physical Education.

DORIS G. SUTTON, BA, MA, PhD, 1969 - 1986, Associate Professor of English.

WILLARD E. SWINFORD, BS, MA, 1955 - 1983, Professor of Industrial Education and Technology.

MARY LOU TAYLOR, BS, MA, Diploma (Social Work), 1964 - 1985, Assistant Professor of Social Science.

JAMES W. THURMAN, BS, MA, 1962 - 1983, Assistant Professor of Health and Physical Education.

KELLY THURMAN, AB, MA, PhD, 1966 - 1979, Professor of English.

MARGARET MUNCY THURMAN, BS, MS, 1964 - 1983, Assistant Professor of Medical Assisting Technology.

MARY J. THURMAN, AB, MSLS, 1966 - 1980, Assistant Professor of Library Science.

KAI-FU TSAO, BA, MA, PhD, 1965 - 1986, Associate Professor of History.

RICHARD TURNER, BS, MT, EdS, 1974 - 1982, Associate Professor of Education.

ROBERT W. ULLMAN, BS, MA, EdD, 1971 - 1981, Professor of Police Administration.

BETTY W. VAN CLEVE, AB, PhB, MA, Certificate in LS, 1962 - 1966, Assistant Professor of Library Science.

JOHN L. VICKERS, BS, MA, 1960 - 1978, Associate Professor of Education.

JESSELYN W. VOIGHT, RN, BSNEd, MA, PhD, 1976 - 1985, Professor of Nursing.

NED L. WARREN, BS, MA, 1967 - 1979, Professor of Health and Physical Education.

ROSE L. WARREN, BS, MA, EdS, 1967 - 1979, Assistant Professor of Elementary Education.

JAMES S. WAY, BS, MA, 1967 - 1983, Associate Professor of Industrial Education and Technology.

RALPH W. WHALIN, BS, MEd, 1937 - 1974, Professor of Industrial Education and Technology.

ARVILLE WHEELER, AB, MA, PhD, 1966 - 1970, Professor of Educational Administration.

RALPH WHITE, BS, MAA, EdD, 1970 - 1979, Professor of Special Education.

THELMA W. WHITLOCK, BS, MA, 1957 - 1974, Associate Professor of Education.

A. L. WHITT, JR., BS, MS, 1948 - 1982, Professor of Biology.

ARTHUR L. WICKERSHAM, BS, MA, 1946 - 1977, Associate Professor of Mathematics.

EDITH WILLIAMS, BA, MA, MA, PhD, 1964 - 1985, Professor of English.

JOHN C. WILLIAMS, BS, MS, PhD, 1969 - 1985, Professor of Biology.

SISTER MARY AGNES WILSON, RN, BSN, MA, 1974 - 1986, Assistant Professor of Nursing.

JOHN WILL WINGO, BA, MA, 1972 - 1978, Professor of Correctional Services.

LEONARD F. WOOLUM, AB, MA, EdD, 1957 - 1982, Professor of Educational Foundations.

CEDRIC A. YEO, BA, PhD, 1965 - 1976, Professor of History.

JOSEPH H. YOUNG, BS, EdM, PhD, 1963 - 1976, Professor of Business Administration.

Retired Administrative Staff

CHARLES F. AMBROSE, AB, MA, EdD, 1961 - 1983, Director, Division of Admissions and School Relations, Dean of Admissions.

MARTHA BARKSDALE, AB, 1934 - 1976, Assistant Registrar.

CLAUDE H. BIVENS, BS, 1967 - 1977, Director of Institutional Services.

LOUISE BROADDUS, 1936 - 1966, Recorder, Office of Registrar.

HALLIE CAMPBELL, 1968 - 1983, Residence Hall Director.

SHIRLEY CASTLE, AB, MA, 1967 - 1978, Director of Personnel.

GERALDINE M. CONDER, AB, 1974 - 1983, Administrative Assistant, College of Applied Arts and Technology.

RUTH G. CONGLETON, 1966 - 1982, Administrative Assistant, College of Natural and Mathematical Sciences.

MABEL CRISWELL, BA, MA, 1970 - 1985, Director of Housing.

RAYMOND GABBARD, 1954 - 1984, Assistant Director, Physical Plant.

GRACE GATWOOD, AB, MA, 1966 - 1984, Administrative Assistant, Academic Support and Undergraduate Studies.

WILLIAM HACKER, 1969 - 1986, Supervisor, Physical Plant.

ADA JO HAGAN, 1965 - 1975, House Director.

HOWARD HARKINS, 1968 - 1984, Office Manager, Physical Plant.

MARY B. HILL, 1961 - 1974, House Director.

MYRTIE B. HOLDER, 1957 - 1967, House Director.

FOWLER JEFFRIES, 1977 - 1982, Supervisor, Physical Plant.

BILLY LOCKRIDGE, AB, MA, 1967 - 1977, Director of Safety and Security.

LORRAINE LONG, 1965 - 1983, Administrative Assistant, Division of Purchases and Stores.

BENJAMIN W. LYKINS, BS, 1972 - 1981, Laboratory Manager, Department of Chemistry.

LARRY O. MARTIN, AB, MA, 1960 - 1986, Director of Food Services.

PAULINE NOLAND, 1974 - 1979, Assistant Residence Hall Director.

PAULINE PEDIGO, 1958 - 1974, House Director.

CARRIE POTTS, 1944 - 1974, Administrative Assistant, Office of Registrar.

SARAH PRICE, BA, MA, 1972 - 1977, Residence Hall Administrator Counselor.

RHEA RIVES, 1968 - 1985, Assistant Residence Hall Director.

GERTRUDE L. RODAN, 1972 - 1982, Registered Nurse, Student Health Services.

EDNA ROLF, 1966 - 1974, House Director.

MARY SHANNON, 1963 - 1981, Registered Nurse, Student Health Services.

GRAYCE SHULL, 1969 - 1978, Assistant Residence Hall Director.

WILLIAM STAPLETON, BS, 1967 - 1977, Bursar.

ELMER B. STEPHENSON, AB, 1970 - 1977, Safety and Security.

JOY B. STONE, 1968 - 1985, Coordinator, Student Employment.

JAMES W. THURMAN, BS, MA, 1962 - 1983, Director, Division of Alumni Affairs.

JOHN L. VICKERS, BS, MA, 1960 - 1978, Director, Division of Placement.

BROWN LEE YATES, BA, 1968 - 1981, News Editor.

MILLIE ZACHEM, 1969 - 1978, Residence Hall Director.

INDEX

Academic Computing Services 213
Academic Programs 29
Academic Regulations 34
Accounting 114
Administration, Counseling and Educational Studies,
Department of 131
Administrative Affairs, Office of 213
Administrative Information Services 213
Administrative Office Systems 119
Administrative Staff 219
Admissions, Allied Health and Nursing 45
Admissions to the University 27
Agriculture, B.S. 64
Minor 64
Agriculture, Department of 64
Agriculture Mechanics 64
Agriculture, Technical, A.S. 65
Air Force ROTC 86
Allied Health and Nursing, College of 45
Allied Health, Pre-Professional 47
Alumni Association, The 23
Anthropology, B.A. 187
Anthropology, Minor 187
Anthropology, Sociology and Social Work,
Department of 187
Application to the Graduate School 204
Applied Arts and Technology, College of 63
Applied Statistics, Minor 177
Architectural Drawing, Minor 77
Arnim D. Hummel Planetarium 214
Arts and Humanities, College of 89
Art, B.A. 90
B.A. (Teaching) 90
B.F.A. 91
Minors 90
Art, Department of 90
Associate Degree Requirements 34
Astronomy 183
Athletics and Recreation 22
Aviation 85
Minor 85

Baccalaureate Degree Requirements 31
Basic Emergency Medical Technician
Certification 156
Basic Emergency Medical Technician
Certification 50
Beef Herd Management 65
Biochemistry Option 171
Biology, B.S. 167
B.S. (Teaching) 167
M.S. 167
M.S. (Applied Ecology Option) 167
Minors, Biology 166
Biological Sciences, Department of 166
Biotechnology Option 167
Board of Regents 219
Broadcasting, B.A. 82
Minor 83
Business Administration, Department of 115
Business and Industrial Security, A.A. 157
Business Education and Office Administration
Department of 118
Business Education (Teaching), B.S. 119
Basic Business Option 119
Secretarial Studies Option 119

The Chapel of Meditation 22
Chemistry, B.A. 171
B.S. 171
B.S. (Teaching) 171
B.S. (Biochemistry Option) 171
M.S. 172
Minor, Chemistry 171
Chemistry, Department of 170
Child Care, A.S. 70
Child and Family Studies, B.S. 68
Minor 70
Clothing Construction and Design, B.S. 69
Minor 70
Coaching Endorsement 147
Community Health 145
Community College Programs 209
Communication Disorders 139
Computer Electronics, Minor 77
Computer Electronics Technology, A.S. 78
Computer Information Systems 123
Computer Science, B.S. 176
Minor 176
Minors in Mathematics, Statistics, and Computer Science . 177
Computer Science/Mathematics (Teaching), B.S. 176
Computer Services 213
Academic 213
Administrative 213
Conferences 215
Construction Technology, B.S. 75
Continuing Education
Allied Health and Nursing 47

Corrections and Juvenile Services, A.A. ... 154
Corrections and Juvenile Services, B.S. ... 154
Correctional and Juvenile Services, Minor ... 154
Correctional Services, Department of ... 154
Correspondence Study ... 210
  Fees and Enrollment Procedures ... 210
Counseling Center ... 20
Curriculum and Instruction, Department of ... 133

Dairy Herd Management ... 64, 65
Definition of Resident Student for
  Fee Assessment Purposes ... 15
The Graduate School
  Degree Completion Requirements ... 207
  Degrees and Programs ... 203
Dentistry ... 163
Dietetics, General, B.S. ... 69
Division of Career Development and Placement ... 23
Drafting and Design Technology, A.S. ... 78

Early Elementary Education ... 133
Earth Science, B.S. (Teaching) ... 174
  Minor Earth Science (Teaching) ... 174
Economics, B.A. ... 186
Economics, B.A. (Teaching) ... 186
Economics, B.B.A. ... 121
  B.A. ... 121
  B.A. (Teaching) ... 121
  Minor ... 121
Economics, Department of ... 121
Educational Administration ... 131
Educational Psychology and Counseling ... 132
Educational Research and Evaluation ... 130
Educational Studies ... 131
Education, College of ... 129
Elementary Education ... 135
Elementary Education (1-8) ... 135
Education, Middle Grade ... 135
Elementary P.E. Endorsement ... 147
Emergency Medical Care, A.S. ... 51
  Certificate (Advanced) ... 51
  Minor ... 51
Emergency Medical Technician ... 50
Energy and Electrical Power, Minor ... 77
Engineering ... 162
English, B.A. ... 93
  Minor ... 93
English, B.A. (Teaching) ... 93
  Minor ... 93
  Area ... 93
English, Department of ... 92
Entertainment and Cultural Events ... 22
Entitlements ... 21
Environmental Health Science, B.A. ... 47
  Minor ... 48
Environmental Health Science, Department of ... 47
Environmental Resources, B.S. ... 167
Executive Office Systems ... 120
Expenses ... 15
Extended Programs ... 210
  Correspondence Study ... 210
  Fees and Enrollment ... 210
  Extended Campus Courses ... 210
  Nontraditional Studies ... 211
  Media Assisted Courses ... 211

Facility Scheduling ... 215
Faculty ... 223
Family Housing ... 19
Fashion Merchandising, B.S. ... 69
  Minor ... 70
Finance ... 123
Financial Assistance ... 20
Fire and Safety Engineering
  Technology, A.A. ... 156
Fire and Safety Engineering
  Technology, B.S. ... 155
  Minor and Options ... 156
Fisheries Management, B.S. ... 168
Floriculture and Floristry ... 65
Food Service ... 19
Foodservice Administration, B.S. ... 70
  Minor ... 70
Foreign Languages, Department of ... 95
Forensic Science, B.S. ... 171
Forestry ... 162
French, B.A. ... 96
  B.A. (Teaching) ... 96
  Minors ... 96

General Business ... 115
General Information, The Graduate School ... 205

Geology, B.A. ... 173
B.S. ... 174
Minor ... 174
M.S. ... 174
Geology, Department of ... 173
Geography, B.A. ... 190
Geography, B.A. (Teaching) ... 190
Geography, Minor ... 190
Geography (Teaching), Minor ... 191
Geography and Planning, Department of ... 190
German, B.A. ... 96
B.A. (Teaching) ... 96
Minors ... 96
Government, Department of ... 192
Graduation ... 37
Grants ... 20
Graphic Arts, Minor ... 77
Gulf Coast Research Laboratory ... 165
Gulf Coast Research Laboratory ... 214

Health Care Administration ... 114
Health Education, B.S. ... 145
Health Education, Department of ... 145
Health, Physical Education, Recreation, and Athletics, College of ... 143
Hearing Impaired Program ... 139
History ... 9
History, B.A. ... 196
History, B.A. (Teaching) ... 197
History, Department of ... 196
History, Minor ... 197
Home Economics, Department of ... 68
Home Economics, General, B.S. ... 69
B.S., teaching ... 70
Horticulture, B.S. ... 65
Horticulture, Technical Ornamental, A.S. ... 65
Humanities, Department of ... 100
Humanities, Minor ... 100

Ibero-American Studies ... 97
Individualized Studies, B.I.S. ... 89
Individualized Studies, B.I.S. ... 164
Industrial Arts Education, B.S. ... 76
Industrial Education and Technology, Department of ... 75
Industrial Electronics, Minor ... 77
Industrial Electronics Technology, A.S. ... 78
Industrial Technology, B.S. ... 76
Instructional Media ... 213
Insurance ... 124
Interior Design, A.A., B.S. ... 70, 71
Minor ... 70
International Student Admission ... 205
Introduction ... 9
Italian Courses ... 98

Joint Doctoral Programs ... 208
Joint Doctoral Program, Biological Sciences ... 167
Journalism, B.A. ... 82
Minor - Non-Teaching ... 83
Minor - Teaching ... 83
J. T. Dorris Museum ... 214
Laboratory School ... 131
Landscape Horticulture ... 65
Latin Courses ... 98
Law Enforcement, College of ... 153
Learning and Behavior Disorders ... 138
Legal Office Systems ... 120
Library Science ... 136
Lilley Cornett Woods ... 214
Living Accommodations ... 19
Loss Prevention and Safety, Department of ... 155

Management ... 116
Marine Sciences ... 165
Marketing ... 117
Mass Communications, Department of ... 82
Master University Calendar ... 215
Mathematics, B.S. ... 176
B.S. (Teaching) ... 176
Minors ... 177
Mathematics-Physical Science (Teaching), B.S. ... 164
Mathematical Sciences, Minor ... 177
Mathematics, Statistics and Computer Science, Department of ... 175
Maywoods Environmental and Educational Laboratory ... 214
Mechanical Power Systems, Minor ... 77
Media Sales, Minor ... 83
Medical Assisting Technology, A.S. ... 53
Medical Laboratory Technician, A.S. ... 54
Medical Office Systems ... 120
Medical Record Administration, B.S. ... 49
Medical Record Science, Department of ... 48
Medical Record Technology, A.S. ... 50

Medical Sciences ... 163
Medical Services Technology, Department of ... 50
Medical Technology, B.S. ... 54
Medical Technology, Department of ... 53
Metals, Minor ... 77
Microbiology, B.S. ... 167
B.S. (Biotechnology Option) ... 167
Military Science, Department of ... 85
Minor ... 86
Minority Affairs, Office of ... 22
Minor in Physical Education ... 147
Minor (Teaching) ... 145
Minor in Health Education (Teaching) ... 145
Mission Statement ... 10
Model Laboratory School ... 131
Music, B.A. ... 101
Music Merchandising ... 101
Music, B.A. ... 101
Theory/Composition Option ... 101
History/Literature Option ... 101
Performance Option ... 101
Music, B.M.E. ... 101
Music, B.M. ... 101
Performance ... 101
Music, Department of ... 100

Natural and Mathematical Sciences, College of ... 161
Natural Areas, Division of ... 214
Natural Resource Analysis, Minor ... 191
Natural Science, Department of ... 180
Nutrition Care, A.S. ... 71
Nutrition, Minor ... 70
Nursing, Associate ... 57
Nursing, Baccalaureate ... 56

Occupational Therapy, B.S. ... 60
Occupational Therapy, Department of ... 58
Office Administration, B.B.A. ... 119
Minor ... 119
Optometry ... 163

Paralegal Programs ... 193
Paralegal Science, B.A. ... 193
Paralegal Studies, A.A. ... 193
Performing Arts, B.F.A. ... 108
Pharmacy ... 163
Philosophy, B.A. ... 105
Minor ... 105
Philosophy and Religion, Department of ... 105
Physical Education, B.S. ... 146
Physical Education, Department of ... 146
Physical Education, General Studies Component ... 146
Physical Plant ... 214
Physics and Astronomy, Department of ... 181
Physics, B.S. ... 181
B.S. (Applied Physics Option) ... 181
B.S. (Teaching) ... 181
M.S. ... 182
Minors ... 181
Pilot Knob ... 214
Planning and Development, Minor ... 191
Planning, Option in Geography ... 190
Police Administration, A.A. ... 158
Police Administration, B.S. ... 158
Police Administration, Minor ... 158
Police Studies, Department of ... 158
Political Science, B.A. ... 192
Political Science, B.A. (Teaching) ... 193
Political Science, Minor ... 193
Portuguese Courses ... 99
Pre-Dentistry ... 163
Pre-Forestry ... 162
Pre-Engineering ... 162
Two-Two Curriculum ... 162
Three-Two Curriculum ... 162
Pre-Medical Sciences ... 163
Pre-Optometry ... 163
Pre-Pharmacy ... 163
Pre-Professional Curricula ... 30
Pre-Veterinary Medicine ... 65
Printing Technology, A.S. ... 78
Professional Laboratory Experiences ... 130
Provisions of The Family Education and Privacy Act of 1974—Public Law 93-380 ... 23
Psychology, B.S. ... 198
Psychology, B.S. (Teaching) ... 199
Psychology, Department of ... 198
Psychology, Minor ... 199
Public Relations, B.A. ... 82
Minor ... 83
Pupil Personnel Certificate ... 132
Purpose ... 9

Quality Assurance Technology, A.S. ... 78
Quality Control, Minor ... 77

EKU
AMERICA'S
STATE
COLLEGES
AND
UNIVERSITIES
A SMART INVESTMENT